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**Treasure
Trove**

from

**CACTUS
LAND**



PRICE 25 CENTS

A handbook of Cactus and Succulent lore describing the largest available collection in the world together with descriptions and notes of interest of the various genera and species with complete cultural directions.



BEAVER TAIL, 25c
SEDUM TRELEASEI, 20c

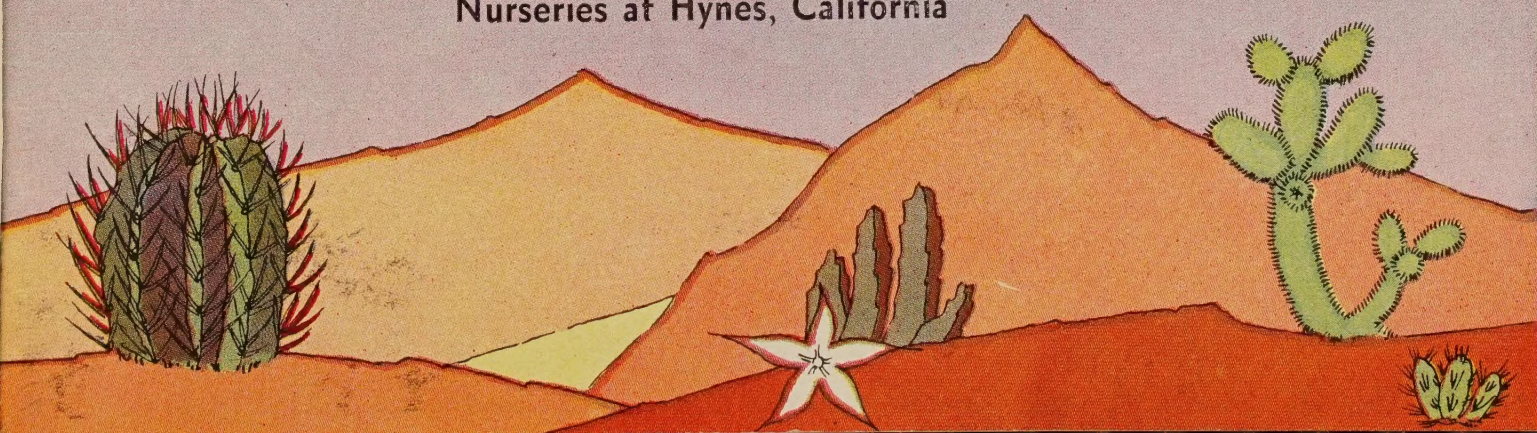
EASTER LILY CACTUS,
25c - 50c

PINEAPPLE
DYCKIA, 25c

SCARLET ALOE, 25c
DOLLAR LEAF, 25c

JOHNSON CACTUS GARDENS

Nurseries at Hynes, California



Latest News from

Cactus Land

LARGEST SELECTION

Our selection is one of the largest in the world with plants from all regions where Cacti or Succulents are found growing wild. There are hundreds of thousands of seedlings filling our greenhouses and we are always adding to our collections. Collectors are continually searching out for us new, rare and interesting things that we will offer in future catalogs. Several new and interesting genera have recently been discovered and we hope to be able to offer them soon.

HIGHEST QUALITY

Only by direct shipment from the grower can you be assured of fresh, healthy rooted plants. Our plants are dug daily as required by our packing crews. Why waste time and money on less fresh plants when you can be assured of clean, vigorous stock from the world's largest grower? We invite comparison of our plants and products.

LOWEST PRICES

Our prices include shipment to your door and careful packing so that the plants will be received in as fresh condition as though you had chosen them here at the nursery. Our prices are lowest.

NO SHIPMENTS during December's crowded Christmas mails.

70 YEARS OF SERVICE

Our nurseries were established in 1876 in Bordentown, N. J., and were moved to Hollywood in 1894 and to our present site in 1921. California climate produces vigorous plants.

AERIAL VIEW OF OUR NURSERIES

A partial view of our 10 acres of greenhouses, cold frames and Water Lily Pools. In the foreground are our Cacti, in the background the pools in which our other great specialty, Water Lilies, are grown.



WHEN YOU VISIT LOS ANGELES STOP AT HYNES

Our friends are always welcome at our Nurseries and we hope that you will visit our growing grounds and see for yourself the many interesting plants in our collections. Tens of thousands of specimens, from tiny, fat seedlings to large flowering trees.



OUR GUARANTEE

WE GUARANTEE to send you only fine healthy plants true to name and that they will reach you in fresh planting condition. If for any reason packages are damaged in transit we will replace any injured plants free. All complaints must be made within 5 days. Owing to conditions over which we have no control, i.e., your culture, etc., no adjustments can be made after this period. We beg your indulgence if only a plant or so is damaged that we may send you a credit card to be used with your next order.



TERMS

**I GUARANTEE SAFE DELIVERY
ANYWHERE . . . ANYTIME**

NO SHIPMENTS during December Xmas rush.

FREE DELIVERY of all orders amounting to \$1.00 or more. A few specimen sizes noted in text are F.O.B. Hynes.

MINIMUM ORDER for free delivery is \$1.00. Orders for less must have 25c extra to cover packing costs.

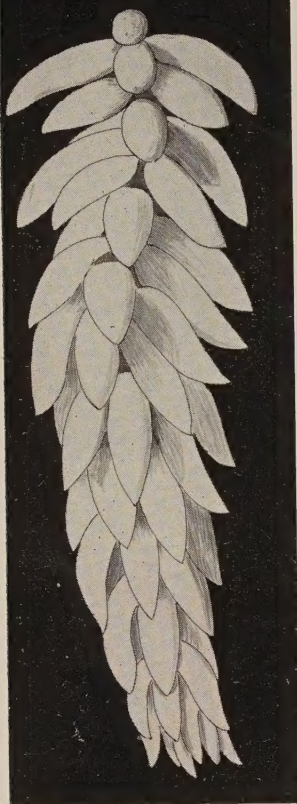
MAY WE SUBSTITUTE IF OUT?

Will you provide us with one or two second choices in your order? We will use them only if absolutely necessary.



Some Rare and Unusual SUCCULENTS

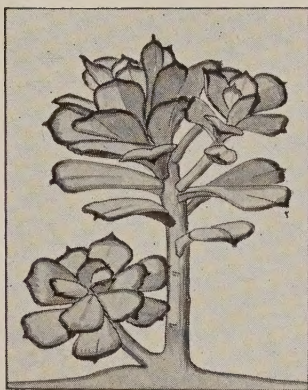
The beauty and infinite variety to be found in the Succulents makes them yearly more popular as our patrons become acquainted with their endless variations. Most are found in Mexico and Africa though almost every desert region contributes some. Many are grown for their spectacular blossoms as the Rocheas, Cotyledons and Stapelias; others for their exotic forms and strange habits. The fascinating Stone Faces, Living Rocks, Flowering Stones and the curious "Window Plants" are among the marvels of Nature and are matched nowhere else in the plant world.



BURRO TAIL

A lovely plant whose lambent, pendulous tassels of palest silver have won it a place in every choice collection. *Sedum Morganianum* is a gem from the mountains of Mexico liking some moisture and not too much sun. It is very easy to grow and with age forms handsome specimens. Each 35c and.....

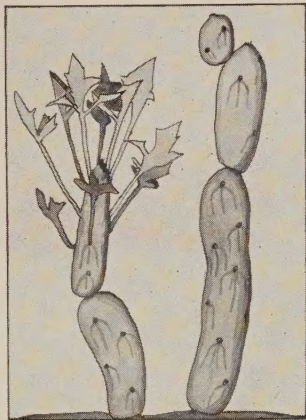
50c



ECHEVERIA MULTICAULIS

Bright and cheerful with lustrous green, red margined leaves which are particularly glowing during the cold winter months. Likes plenty of moisture and light to color brightly. Each.....

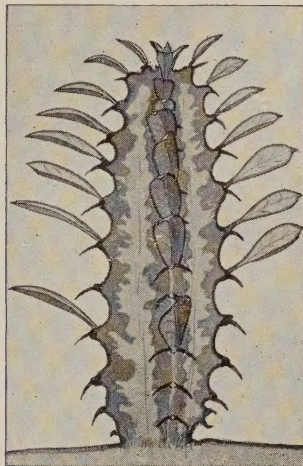
23c



CANDLE PLANT

An odd succulent from the veldts of Africa. The silvery green, striated stems when young, bear spiky leaves. *Klattia articulata* is easy to grow with light and moisture.....

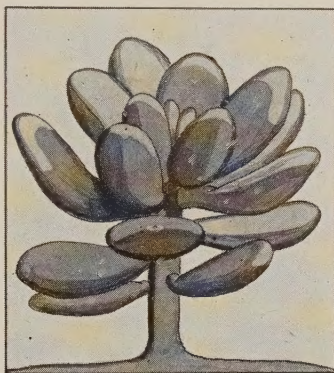
20c



MILK TREE

Marbled with silver and green and bearing caducous leaves, this pretty *Euphorbia Hermentiana* well deserves your attention. It likes a sandy soil and after it is established plenty of water. Give it light, warmth and not too much direct sunlight with an occasional application of fertilizer and it will delight you with quick growth. Each.....

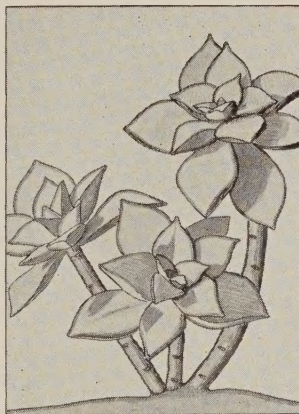
35c



MOONSTONES

The plump white leaves are chiseled from alabaster, their glaucous surface gently suffused with lavender. *Pachyphum oviferum* var. grows easily and every fallen leaf will make a plant. It is one of the prettiest of recent introductions from the mountains of Mexico. Does well in sun or light shade and after it is established thrives on neglect. Each.....

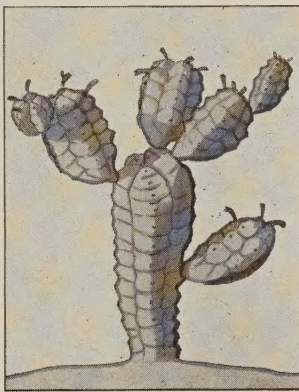
25c



GHOST PLANT

An old favorite whose white, carved leaves and graceful stems please all. The easiest culture *Graptopetalum paraguayense* does well in sun or shade. Our strain is suffused with lavender tints in winter. Each.....

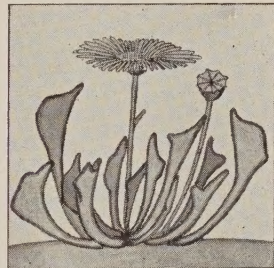
23c



EUPHORBIA PSEUDOGLOBOSA

A much branched, dwarf *Eup.* with dark green tessellated stems. Likes sandy soil, plenty of light and some fertilizer. Each.....

25c



MOOSE HORNS

A small plant with odd antlered leaves in a close rosette. In fall *Hereroa Dyeri* bears daisy-like yellow blossoms followed by dry capsules which open up when wetted. Each.....

18c

Hereroa Nellii. Shriner Plant. Another species of luster growth and wider leaves. Nice.....

20c

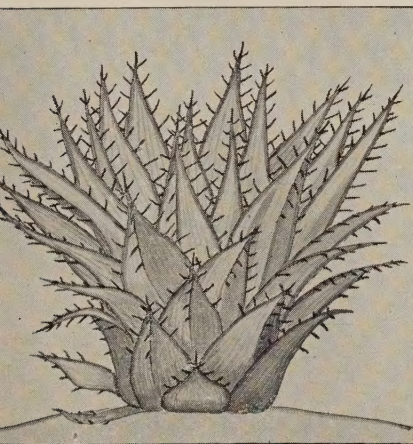


COBWEB PLANT

Klattia tomentosa

A lovely plant entirely clothed in a snowy felt of silken hairs. It grows freely in a sandy loam enriched with leafmold and enjoys a well lighted or sunny situation. Keep on the dry side, especially in winter.....

35c



At Right

BLACK STARFISH

Stapelia berlinensis

A remarkable *Stapelia* with handsome 4-inch blossoms of an almost black color with purplish shadings. With us it is one of the finest in bloom, the flowers appearing in early spring and continuing until fall. A hybrid of the *S. variegata* group, it has all the good qualities. A light loam, moderate watering and semi sun suit it well. The *Stapelias* are great favorites with their handsome curious flowers. Each.....

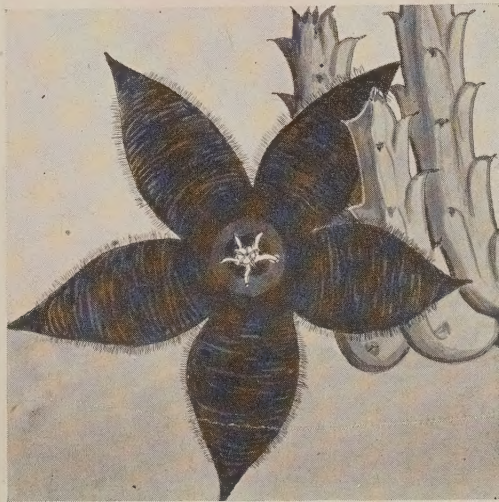
50c

LACE HAWORTHIA

Haworthia setata

A rare and dainty small *Haworthia* prized by the collector. The lace effect is produced by the long, snowwhite, bristly teeth and the tapering bristle-like tip. The backs have one or two keels also bearing bristles. The leaves are lined with transparent windows. Altogether a charming plant and quite easily grown in a very sandy soil with some leafmold and gravel. Wants to be kept completely dry in July and Aug. Fine plants, 50c and....

30c





PAINTED LADY

Echeveria derenbergii

A choice winter and spring flowering succulent that grows very easily. The blossoms are orange-red borne on short spikes and several appear on each plant. The very pretty white leaves are tipped with red. Likes plenty of moisture and some shade. 20c

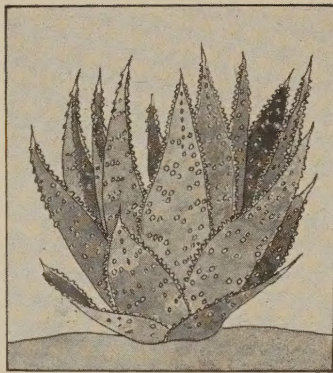


GOLD TOOTHED ALOE

Blooming during the summer this fine, small species bears 18-inch spikes of bright red tubular blossoms. Mature plants are 6 inches in diameter, often branched from the base. The dark green leaves are margined with yellow teeth. Aloe nobilis likes a rich open soil and water. 5-inch to 6-inch specimens 75c each. Nice plants 25c

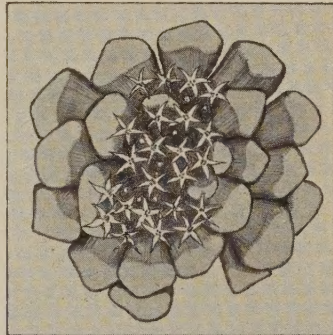
HAIRY STARFISH FLOWER

This lovely desert star is one of the most fascinating of succulents. *Stapelia hirsuta* is at home in the window garden, blooming freely the first year. The small plants grow easily in sandy loam flowering in summer and fall. Give plenty of water in summer but keep dry in winter. Large 50c. Clusters. 35c



PEARL ALOE

Each leaf is gemmed with tiny seed pearls. Aloe Bequinii enjoys a light loam soil, partial shade and moderate waterings throughout the year. 25c



FOAM FLOWER

A very rare mimicry plant, *Crassula mesembrianthemopsis*, will please you with its fragrant, white blossoms and sand paper tipped, triangular, truncate leaves. Grows in fall. Keep dry in July and August. Each. 35c



NECKLACE VINE

The connate leaves of *Crassula perforata* are in long chains like a string of buttons. Likes a sunny place. Each 22c



PYGMY WINDOW PLANT

Haworthia turgida

A charming window plant with a pretty lucent pattern on the wedged shaped leaves. 30c

PANDA PLANT

An elegant plant growing well in any location. The leaves are covered with a soft, silvery plush stained at the margins with rich, red-brown. *Kalanchoe tomentosa* soon forms a handsome specimen thriving in a porous soil with plenty of light. 25c



Beautiful SU

Succulents are so named because of their thick, succulent, water storing leaves or stems which have developed throughout the ages to tide them over the long dry spells peculiar to their desert homes. True Cacti are succulents, too, but for convenience we list them separately. The deserts of Africa are particularly rich in surprising forms. There are found the strange and beautiful Living Rocks and other mimicry plants which so closely resemble the pebbles among which they are growing. Nestling beneath the shrubs scores of fascinating Starfish Flowers, some with blossoms as bright as jewels, others as big as dishpans. The interesting "window plants" are found in many forms,



EUPHORBIA OBESA

A strange and rare cactus-like succulent from Africa. Most interestingly, male and female flowers are borne on separate plants. The plant thrives in a sandy loam mixed with some leafmold and gravel. Give it a sunny, airy position and water only when dry. \$1

Matched flowering pairs, male and female, \$4.00 per pair.



STARFISH FLOWER

Stapelia variegata

This is the most commonly seen of these curious plants. The flowers are some 2 inches across, of a peculiar leathery texture spotted with brown on a yellow ground. It blooms freely on the young growth, followed by two horn-like pods which burst, liberating a cloud of silky parachutes. 35c

Branched clusters, each. 35c



INCH WORM PLANT

The curious *Klattia pendula* seems to be undecided as to whether it belongs to the animal or plant world! Likes a sandy soil. Fertilize during the summer when growing and water moderately, shading slightly. In winter keep dry. Bears large scarlet flowers like carnations. Each. 40c

OX TONGUE

The *Gasterias* are all fine plants for specimens with their mottled two-ranked leaves. They thrive in shade with moderate water and sandy soil. 25c



SUCCULENTS

the translucent panes in dainty patterns diffusing the brilliant sunlight to the chlorophyll hidden beneath the ground. Brilliant torch bearers are the Aloes, marching over veldt and kopje, their flaming spikes an invitation to the flashing sunbirds. This welter of curious succulents whose infinite variety astounds one, peoples thousands of miles of mountain and plain. In America, Mexico has brought us from its mountain fastnesses, lovely Echeverias, Pachyphytums and bright Sedums in endless variety and abundance. On its mesas and stark sierras the Agaves and Yuccas rear their gigantic spears, mixed in grand abandon with the Cacti. Dominating the California chaparral, the Lord's Candle lights the way.



TIGER ALOE

Sometimes called Partridge Breast. An old favorite and still one of the best. Handsome and easy to grow. The green leaves are brightly spotted white. In late winter the red flowers appear. This African plant enjoys a very sandy loam, moderate watering. 5-in. and 6-in., \$1.00, 4-in., 60c. Smaller, 35c and

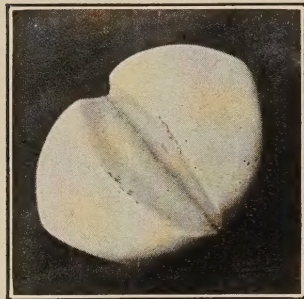
25c



CHRIST THORN

The lovely scarlet blossoms of Euphorbia splendens are found all the year around. Everyone succeeds with it. It likes a rich, sandy loam and a generous supply of water. Water should be applied only when the pots are dry. When growing, light applications of our Cactus Food will keep it blooming indefinitely. Give it a semi-sunny location for best results. Large plants, 8-inch to 10-inch, 50c, 12-inch to 14-inch, 75c. 4-inch to 5-inch flowering

35c



SILVER SKIN

A beautiful, easily grown mimicry plant with silvery white, thickened leaves and handsome yellow or copper colored blossoms. Argyrodema octophylla likes full sun. Flowering. Each

25c

SCARLET PAINT BRUSH

A handsome flowering succulent with 5-inch to 9-inch heads of glowing scarlet blossoms in fall. Rochea falcata, grows easily for everyone. Scarcel 5-inch to 6-inch, flowering, 50c; 2-inch to 3-inch

20c



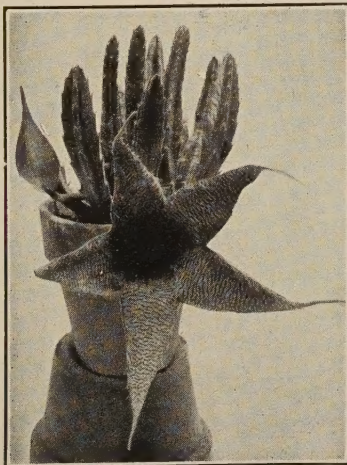
PICKANINNY TOES

Euphorbia aggregata Everyone likes this perfect little tree with lively green branchlets and red cyathia. It grows quickly in a loose soil with moderate watering and semi-shade. Pretty. Each

25c

GIANT STARFISH FLOWER. One of the largest of all flowers! Blossoms often 12 inches across. Grow in 4-inch pot! A great curiosity. Easy to grow. 50c and

35c



CONOPHYTUM BRAUNSI

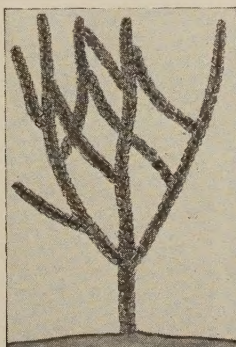
Conophytums are choice and rare succulents related to Lithops. This is one of the prettiest when in bloom with sparkling pink petals. Very sandy soil, watering only when dry. Each

75c

PRINCESS PINE

Tiny, tree-like Crassula with closely imbricated leaves. Every piece will grow. Sunshine or shade. Two for

25c



THE CULTURE OF SUCCULENTS

Succulents are very simple in their requirements and are quite at home in the window garden. We suggest a soil on the sandy side—1 part loam, 1 part coarse sand, 1 part leafmold, as best suited to the majority, though any soil from which water drains quickly is suitable. In watering be temperate. A good rule is to apply water only as the soil becomes dry. You will never lose them if this basic principle is followed! Remember they are not used to much rain in their desert homes and dry spells are quite normal. They like plenty of light and many do well in full sunshine, though they will thrive with a little shade during the hottest part of the day. The more shade they have the less water they need, which is true of all plants. Since they grow on sparsely wooded plains and mountains, they also like plenty of fresh air.

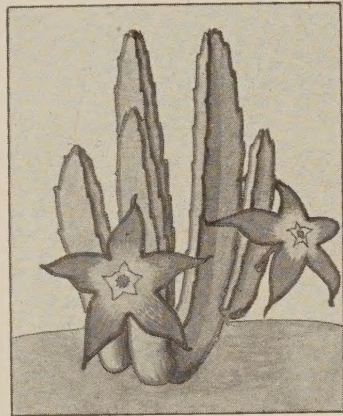


CANDY STICK

Kleinia stapeliiformis

A lovely marked plant mottled with darker green on a silvery ground. Give it a sandy soil and moderate water. Related to the daisies. Pretty and rare. Each

25c



STAPELIA DIVARICATA

A very free flowering species with pretty flesh pink blossoms an inch in diameter. The plants grow in tight little clusters flowering for months. Light soil and a fair amount of water. Each

35c

ROYAL STARFISH FLOWER. The handsome Stapelia nobilis is a great favorite with its 6-inch yellow flowers striped maroon and covered with long purple hairs. Grows quickly in a rich sandy soil flowering in autumn. Keep dry in winter

35c

FRINGED STARFISH. A lovely, curious flower, 2 inches in diameter, heavily flecked brown on a cream field. Grows vigorously, flowers all the time. Stapelia mutabilis flowers for every one. Fine plants. Each

35c

CHENILLE PLANT

Echeveria pulvinata

At all seasons this is a dainty beauty, the leaves and stems covered closely with a soft plush of fine hairs and tipped and margined with red. It flowers in midwinter, the bells large and brightest red, and one of the prettiest things in our house. Semi-shade and moderate moisture. Each

25c



MEXICAN GEM

Close rosettes of powdered white spoon-shaped leaves. The blossoms which appear in spring are charming. Colors are best when given plenty of light. Echeveria elegans is very easy to grow. Large, 30c. Each

20c



BABY TOES

We are at last able to offer this most rare and curious window plant, *Fenestraria rhopalophylla*. Much sought after by collectors. Native to the sandy coastal deserts of West Africa. Each leaf has a clear window at the tip. In the fall and spring the sparkling white blossoms appear. Large specimens, 75c. Fine potted plants.....

35c

Orange Baby Toes, *Fenestraria aurantiaca*..... 50c



CALICO HEARTS

Adromischus maculatus

A lovely and very rare plant of the easiest culture. Leaves handsomely mottled silver-green and maroon. This South African succulent enjoys a porous loam, moderately generous waterings and partial shade. Nicely colored, Each.....

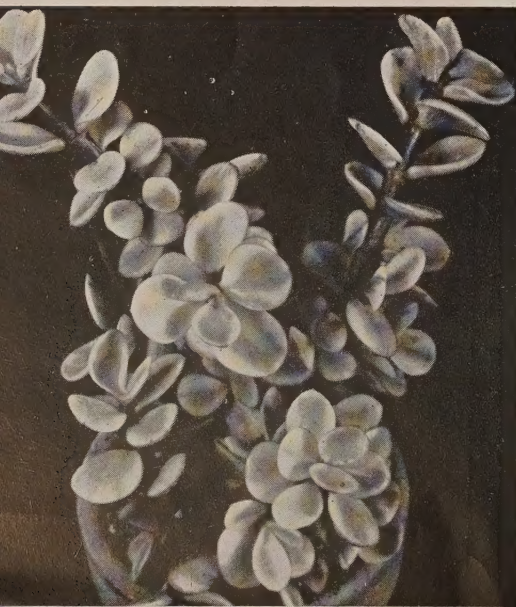
35c

RAINBOW BUSH

Portulacaria afra var. *tricolor*

A handsome, rainbow-hued plant of yellow, cream, pink and green. Each dainty leaf closely attached to the fat, mahogany red, jointed stems. Its attractive coloration will stand out among the plainer greens. Likes a rich loamy soil and generous treatment. Each 4 inches to 5 inches tall. In pots.....

28c



SILVER BEADS

The quaint, tiny, tree-like *Crassula deltoidea* has white powdered leaves and pretty pink blossoms. Likes sun, Large.....

20c



JEWEL PLANT

Lovely mimicry plant, *Titanopsis calcarea*, often becoming highly colored in the winter. An easily grown jewel. Sunny location. Each.....

20c

Titanopsis primosii. A very pretty mimicry plant with rugose, white leaves and yellow blossoms. Charming and rare.....

50c

Titanopsis setifera. Dark green rosettes of rugose, wedge-like leaves and salmon flowers. Sunny location.....

50c

Goldwort, *Nananthus Schooneesii*. A gem for the collector of rare succulents. Tiny clusters of pebble-like dark green leaves and golden blossoms. Sunny location. Very choice.....

50c

Toothworts, *Odontophorus nanus*, *Meyeri* and *primulinus*. These odd mesembs with thick toothed leaves. Each.....

35c

Lambs Tongue, *Stomatium agninum*. Free blooming mesemb with thick grey stippled leaves. Each.....

25c

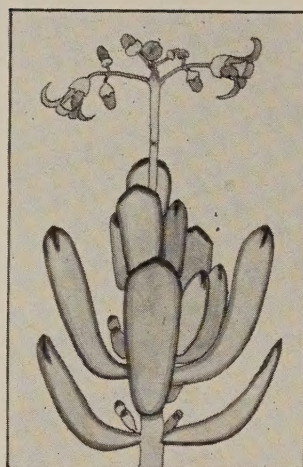
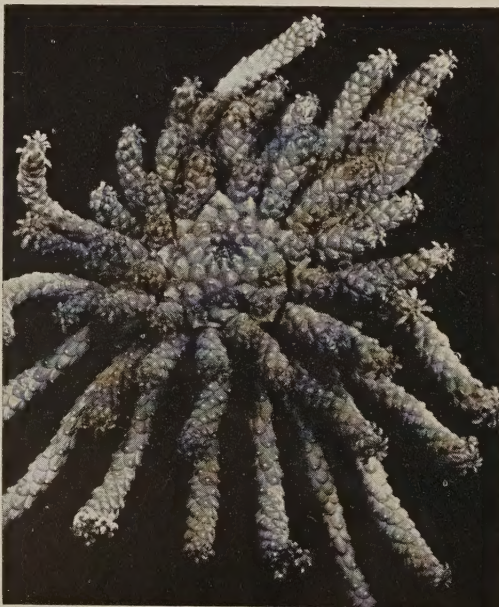
Sabre Leaf, *Rabiea albinotus*. Very choice mesemb, dark green, heavily speckled with white raised dots. Large yellow flowers. Each.....

35c

MEDUSA HEAD

The large head of *Euphorbia Bergeri* bears many snake-like arms. A fine rare and very curious succulent. Sunny location. Sandy loam with moderate waterings. Large specimens, \$1.50 and \$2.50. Smaller specimens, each 75c and.....

\$1

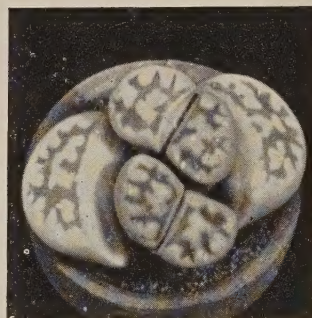


LIZARD EGGS

Cotyledon oophylla

Bright red blossoms and powdered white leaves suffused with lavender and tipped with red. Splendid.....

25c



LITHOPS BELLA

Large white blossoms and a bright pattern of windows. A lovely Stone Face. Each.....

25c

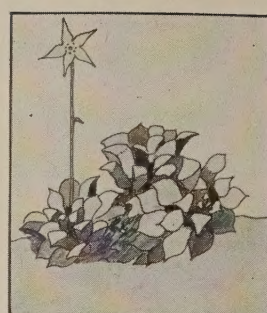


CROCODILE ALOE

Aloe brevifolia

The toothed leaves are blue white. Easily grown. Each.....

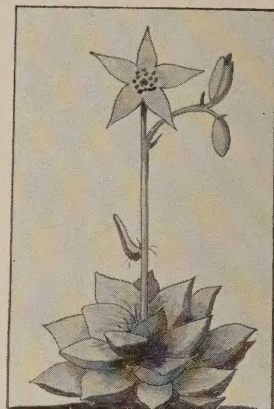
25c



WOOLLY SAND ROSE

The tiny *Anacampseros tomentosa* with its autumnal pink blossoms is a choice collector's item. Semi-shade.....

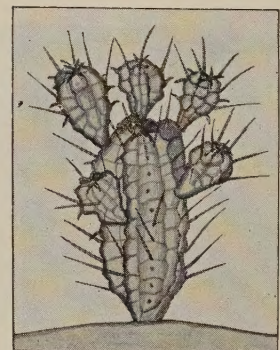
25c



THREAD SAND ROSE

Many pink blossoms in autumn. *Anacampseros filamentosa* is easy to grow and flower. Choice. Each.....

20c



FRINGED MILKWORT

The pretty *Euphorbia fimbriata* bearing quantities of carnelian cyathia in winter. Easily grown and rare. Each.....

35c

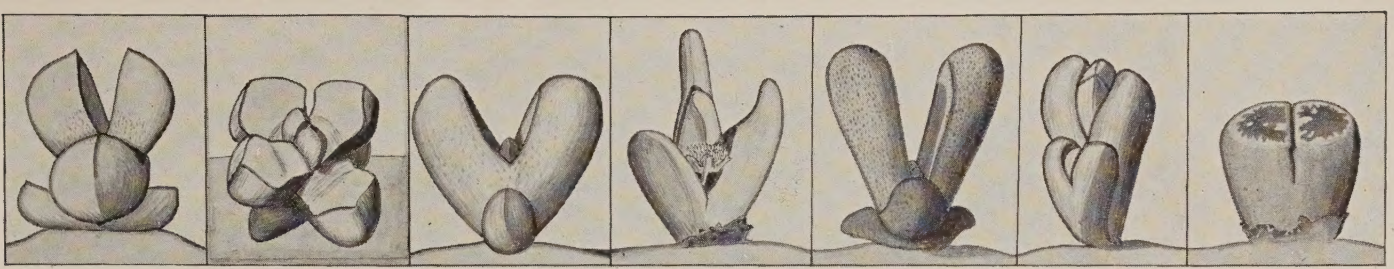
ARABS TURBAN

Crassula hemisphaerica

Very odd and easy to grow. Likes a light well drained soil and partial shade with moderate amount of water. This African succulent is now very scarce. A beauty. Large, 50c. Each.....

35c





DINTERANTHUS PUBERULUS

Charming African Stone Plant, leaves white tinted pink. Blossoms bright yellow in fall. Large..... **25c**

KARROO ROSE

The lovely Lapidaria Margaretae with carved white leaves flushed with rose. Golden blossoms borne in September. Fine plants..... **25c**

FLOWERING STONES

Dinteranthus inexpectatus closely resembles the white pebbles among which it grows. Golden flowers. Fine..... **25c**

GIBBAEUM

Curious mimicry plants with rosy lilac flowers and very unequal leaves. Form clusters of fat white clusters. Each..... **25c**

PLEIOSPILOS HILMARI

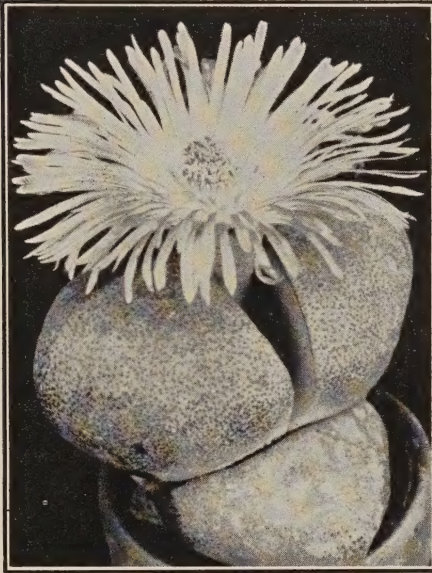
Fat copper-red leaves like jasper pebbles. Large golden blossoms borne from August to September. Nice colored plants..... **25c**

PEBBLE PLANT

The Rimarias are like smooth green chert pebbles. Cluster forming. Flowers white or pink..... **25c**

STONE FACE

Lithops are the jewels among succulents. Lovely patterned windows on top in brown, grey, rust red, white or green. Just like colored pebbles. Nice plants, ea..... **25c**



SPLIT ROCK

Pleiospilos Nelii (Natural size)

One of the finest mimicry or stone-like plants and one of the easiest succulents to grow. The smooth, granite-grey leaves grow naturally among similar grey rocks to hide them from the baboons and ostriches, which are fond of them. They are visible on the veldt only when they are crowned with their pretty amber-yellow blossoms in March. They flower the first season. As a curiosity for your friends place it among similar stones. Large mature 2-inch, 50c. 1½-inch beauties, 35c. Each..... **25c**

Pleiospilos hilmari. This is the smallest of the Living Rocks, appearing much like a Lithops, the thick ovate leaves bronzed in the sun and turgid. Large, bright chrome-yellow flowers. Rare, choice and pretty. Easily grown in sandy loam and sun: Each..... **25c**

Pleiospilos kaupensis. Each..... **50c**
Pleiospilos nobilis. Each..... **50c**
Pleiospilos canus. Each..... **50c**
Pleiospilos magnipunctatus. Each..... **35c**
Pleiospilos compactus. Each..... **35c**

STAPELIA BELLA

A very free flowering and handsome Stapelia of a fine carmine red, each petal delicately fringed with soft hairs. Blooms over a long period. Sandy loam, semi-shade and fertilizer. Each..... **40c**



DESERT ROSE

A lovely small succulent, *Tri-chodiadema densa*, with bright pink sparkling blossoms. Easily grown in loam and partial sun. Moderate water. Each..... **25c**



AIR PLANT

Kalanchoe tubiflora

Handsome red blossoms at Christmas. Bears many tiny plants on leaves. Easily grown. Three for..... **25c**



CORAL BEADS

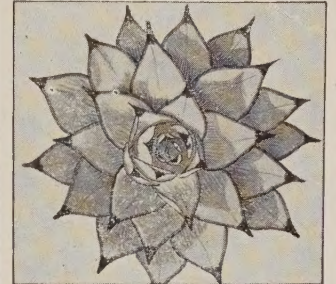
Every bead is brightest red! Every bead that falls will grow! Sedum Stahlii grows anywhere but is brightest red in full sun. Each..... **18c**

BEAD VINE

Crassula rupestris is similar to the Necklace Vine, but has beautiful umbels of clean pink blossoms. Charming and easy to grow. Semi-shade or sun. Moderate water. Each..... **20c**

PINK CHAIN PLANT

A lovely mass of foamy pink blossoms! Blooms for weeks. Winter hardy everywhere! Sedum Sieboldii with its stunning, drooping umbels and long chains of circular white leaves likes shade and moisture. Deciduous and rests in winter. Native of Japan. Rare. Each..... **25c**



HOUSE LEEK

Sempervivum calcaratum

Very pretty with its red tipped leaves. Hardy outdoors anywhere. Tall spikes of elegant pink blossoms. Each..... **22c**



EUPHORBIA MELOFORMIS

A very rare Euphorbia similar to Euphorbia obesa but with branched spines with age. Choice collectors items. Easily grown in light soil and moderate water. Sun or part shade. 1-inch to 1½-inch. Each..... **75c**

LIVING ROCK DISH GARDENS

MIMICRY PLANTS
COLLECTION No. P1

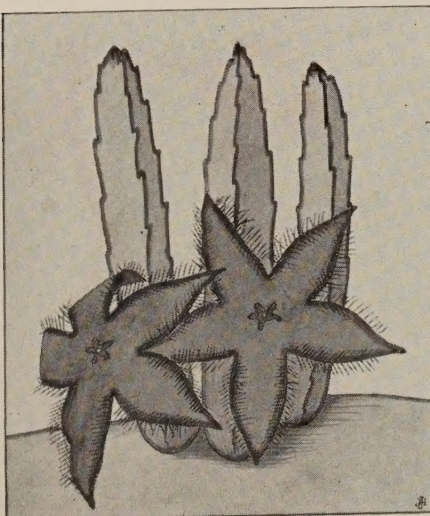
A fine collection to be planted in a bowl 6 inches in diameter. Plant in sandy soil, covering the surface with pebbles and small stones to demonstrate the curious mimic quality of the plants. A sunny location and very moderate watering. African Living Rock, Flowering Stone, Karroo Rose, Silver Skin, Pleiospilos hilmari, Jewel Plant, Baby Toes.

SEVEN ROCK-LIKE PLANTS..... **\$1.50**

At right

RATTLESNAKE CRASSULA

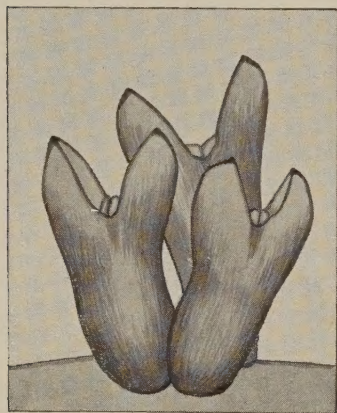
The rare *Crassula teres* is rarely seen except in the choicest collections. It branches freely from the base, each stem eventually terminating in a cluster of white blossoms which scent the room with fragrance. It grows slowly, liking a light soil with some coarse sand. Give it semi-sun and water very moderately. Not hard to grow. Large, 1½-inch to 2-inch, 50c. Smaller..... **35c**





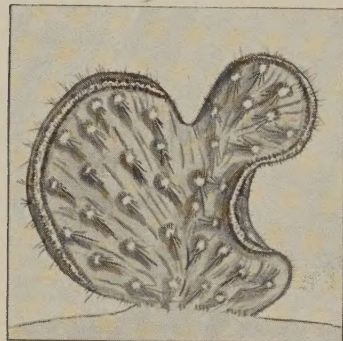
WART PLANT

A great favorite and deservedly popular. The warts on the leaves are much whiter than showa. Sandy loam, partial shade, moderate water. Large 2-in. plants, 35c. 1-in. to 1½-in. 25c



CONOPHYTUM MEYERAE

This very rare species is a collectors item. Each \$1



CRESTED OPUNTIA

Opuntia serpentina cristata

A very attractive and easily grown crest. Crested plants with their curious cockscomb-like manner of growth are always scarce. This one always retains its sinuate growth, the rim a band of pale brown. Fine crests 35c

TIGER JAWS

A popular and easily grown favorite. Clusters, 35c. Each 20c



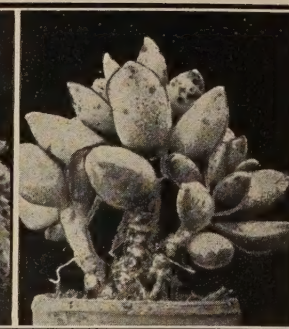
PINEAPPLE DYCKIA

Bright glossy green leaves and lovely spikes of rich, orange yellow blossoms in spring. Grows anywhere. Likes water and some shade. 2-inch to 3-inch specimens, 22c Each



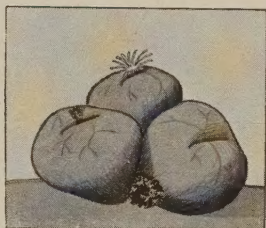
COCONUT PALMS

Looking for all the world like miniature coconut palms! A cluster in a brightly colored dish makes a very pretty ornament. Produces young plants on the leaves. Three for 25c



PRETTY PEBBLES

A charming small plant with prettily marked leaves, silvery green and maroon. *Adromischus clavifolius* likes moisture and either sun or shade, growing easily. Specimens, 35c. Each 23c



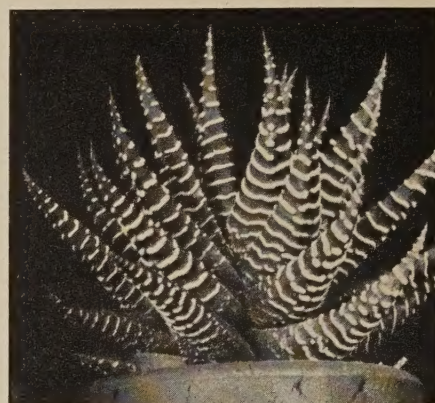
Conophytum giftbergensis

Pale green, grape-like bodies forming large clusters. Grows easily in sandy soil. Clusters, 50c



WINDOW PLANT

The charming and easily grown *Haworthia cuspidata*. Sandy soil, semi-shade. Each 20c



ZEBRA HAWORTHIA

The charming *Haworthia fasciata* is quite rare and because of the pearly-white lines banding the pointed, slender leaves is much sought after. All of the *Haworthias* like quite sandy soil, in fact, grow splendidly in pure sand if fed with our Cactus Fertilizer during the growing period in spring. Allow them a dry rest during July and August and in mid-winter. 1½-inch and 2-inch. Each 35c



PLOVER EGGS

The fascinating and lovely *Adromischus cooperi* with fat round leaves marbled maroon. Pink and white blossoms. Grows easily in sandy soil with some leafmold liking sun to bring out the brightest coloring. Large, 50c. Each 35c

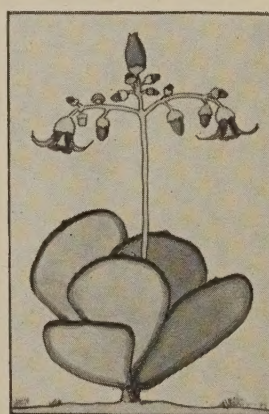
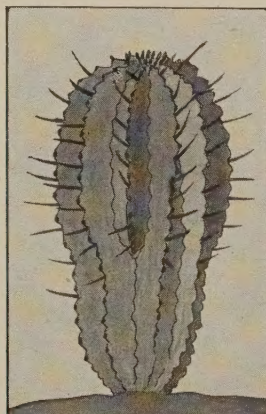
DEVIL'S CLUB

Euphorbia cereiformis

Makes a handsome specimen growing easily in sun or shade. Very popular. Large, 5-inch and 6-inch, 50c. 2-inch and 3-inch, each 25c

COTYLEDON AUSANA

Leaves softly powdered white and rimmed with red. Flowers bright red. Free blooming. Likes full sun. Each 23c



"SUCCULENTS FOR THE AMATEUR"

A splendidly illustrated book about succulents and one that every fancier will enjoy. Chapters on watering, winter care, soils and all the other questions you would like answers for. 800 plants described. 400 illustrations, 85 in color. \$2.10 Cloth. Postpaid.

MEXICAN FIRECRACKER

The pretty *Echeveria setosa* is a treasured plant. The soft leaves are covered with white plush-like hairs. The richly colored flowers last a long time. 22c





AFRICAN LIVING ROCK

A fine, easily grown Living Rock, *Pleiospilos simulans*. The gray-green leaves like shards of granite. Blooms freely in fall. Thrives in sandy soil with moderate water and sun. Large 3-inch and 4-inch, 35c. Blooming size..... **25c**



LITHOPS SUMMITATUM

Charming Stone Faces, the windows marked heavily with brown. White flowers. Keep dry in July and August and mid-winter. Large. Each **35c**



CHAIN PLANT

Tradescantia navicularis grows easily in sun or shade. Fine pink blossoms. Each..... **20c**

ECHEVERIA GILVA

Easily grown in sun or shade. Large, 30c. Each..... **20c**



COCKSCOMB PLANT

Pachyveria clavifolia cristata

The fan-shaped stems are very much crested and waved bearing along their crests numerous blue-white leaves. Makes a lovely specimen, the sinuous combs shortly filling the pot. Likes sandy soil with some leafmold and semi-shade. Fine large crests, 50c. Nice 2-inch crests..... **20c**

ECHEVERIA

Lovely Mexican plants, easily grown in semi-shade, rich sandy soil and moderate water. Give plenty of fresh air. Mostly winter bloomers.

Echeveria expatriata. Green rosettes, 20c. *E. nivula*. Pretty white and violet rosettes. 20c. *E. nodulosa*. Rare with red mottled leaves, 30c. *E. pubescens*. Tall red spikes of flowers, 25c. *E. paniculata*. Red flowers, 30c. *E. pulvicarn*. Plush green leaves. Salmon flowers, 25c. *E. pulvicox*. Tall with handsome long spikes of crimson blossoms, 25c and 50c. *E. pulvoliver*. Richly colored plush-like leaves. Crimson flowers, 25c. *E. set oliver*. Easily grown with fine orange-red blossoms. Nice, 20c.

URBINIA agavoides. Echeveria-like, green with red tipped leaves, 25c. *U. agavoides cristata*. Crested, 50c. *E. Corderoyi*. Pretty colorful rosettes, 20c. *U. hybrida*. Colorful green and red flushed leaves, 25c.

SUN BIRD FLOWER

Aloe longistyla, the prettiest dwarf *Aloe* in bloom, 6-inch spikes of soft tawny-pink blossoms. Leaves toothed, blue green. Easily grown. Blooming size 5 inches to 6 inches. 50c to 75c. Smaller **35c**



COW HORN

Euphorbia grandicornis is a fine succulent for specimens. Partial shade with a sandy soil and plenty of water when established. Fertilize when growing well. 4-inch to 7-inch. Each..... **60c**
10-inch to 12-inch specimens..... **\$1.00**

ECHEVERIA COLLECTIONS

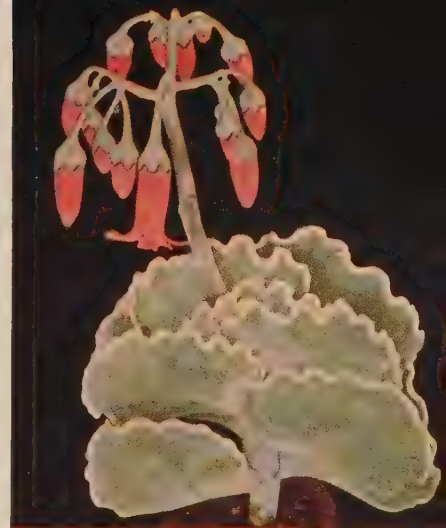
Echeverias are charming and popular and easily grown. They are winter flowering, the blossoms in rich, velvety, orange, red or crimson or in softest pastels. Grow well in partial shade in a sandy soil with moderate waterings. You will enjoy our selection.

COLLECTION No. P2

6 FINE VARIETIES, UNLABELLED **\$1.00**

COLLECTION No. P3

10 SELECTED VARIETIES, ALL LABELLED **\$2.00**



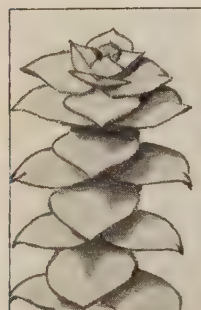
SILVER CROWN

The beautiful wavy leaves of *Cotyledon undulata* are thickly covered with white powder. Grows very easily in sandy loam with moderate watering. Nice plants, 50c and **25c**



QUEEN VICTORIA CENTURY PLANT

Handsome dwarf *Agave*, leaves striped white. Slow growing. Very choice. Each **25c**



PAGODA PLANT

Lovely green form of *Crassula perfoliata*. Very popular for dish- es. Each..... **20c**



KNOBBY TIGER JAWS

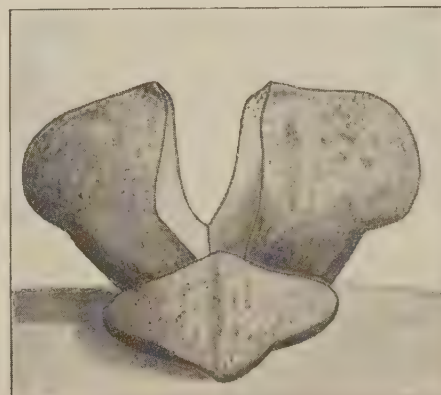
Faucaria tuberculosa

Very pretty and free blooming species, the yellow, daisy-like blossoms appearing in fall. They like very sandy soil, sun or partial shade, not too much water. Fertilize when growing. Each..... **20c**

CLEFT STONE

Pleiospilos Bolusii

A fine mimicry plant easily grown with handsome yellow blossoms in fall. Full sun and sandy soil, moderate water. Large, 75c. Fine plants. Each..... **25c**





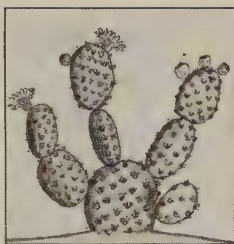
DWARF TREE OPUNTIA

Opuntia villosa grows into a tiny, well branched tree with round trunk some 4 inches tall. This charming little Mexican species is particularly liked for its distinct tree-like growth and the ease with which everyone succeeds with it. Likes a sandy soil and a light or sunny place. Well branched 4-inch to 6-inch. Each. 30c. Smaller **20c**

CULTURE OF OPUNTIAS

The Opuntias are the most widely distributed of cacti and certainly the most commonly seen on our deserts. There are two main groups: those with flat "leaves" or stems and those with round joints. Some are much branched and tree-like, others more simple or prostrate. They are everywhere found in the same localities and their culture is the same. There are several related cacti which are described here also.

They all enjoy an open, porous, sandy loam soil and a moderate amount of water. Give as much light as possible when growing, though during the dormant winter season they will thrive with less.



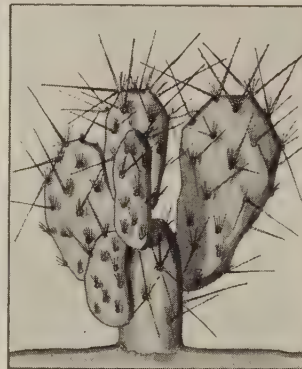
ANGORA BUNNY EARS

A very lovely small eared cactus spotted with white glochids. Everyone admires it. **22c**



DEVILS CANE

Handsome, dark green canes. *Opuntia cylindrica* grows very easily. Each. **22c**



FAIRY NEEDLES

A very pretty dwarf variety with tiny, pale green pads and yellow spines. *O. Soehrensii* grows very easily and comes from the high mountains of Bolivia. You will like it. **23c**



BUNNY EARS

An old favorite, the pads dotted with areoles filled with golden glochids. Our plants are dwarf with small ears or branches, and remain just right for house culture. Grows very easily in sandy soil. Each. **20c**



OPUNTIA SUBULATA

A fine tree-like species with thick, round, rich green stems and large, true leaves. The large spines are the ones commonly used to pin freshly grafted cacti together. Grows quickly and branches freely. 8 in. to 10 in., 50c. 4 in. **25c**

PAPER SPINE OPUNTIA

One of the rarest and most curious kinds with long curling white paper ribbands for spines! No collection is complete without it. Grows easily and branches freely. For color pictures see page 25. Each. **35c**

Mexican Tree Opuntia. *Opuntia tomentosa*. A large and attractive tree species with pretty, oval pads covered with a fine velvet and very few spines. Beautiful emerald green in color, it grows quickly into a fine specimen bearing yellow blossoms and red fruits. Each. **35c**

TEPHROCACTUS

A choice genus of small, orbicular jointed Opuntias from South America. Nice pot plants. Sun and moderate watering.

Tephrocactus Pentlandii. A fine high mountain species with ovate silvery gray stems. Rare. **35c**

Tephrocactus sp. No. 1. Small heaped piles of marble shaped joints. Interesting. Each. **25c**

Tephrocactus sp. No. 2. Larger oblong joints. Nice clusters **25c**



ANGEL WINGS

Opuntia microdasys alba

One of the loveliest of new introductions, this dainty little plant is covered with cottony white glochids. Completely spineless, it does not stick! It branches freely and remains dwarf, the pure white cushions showing brightly against the dark green stems. Very easy to grow. Each. **25c**

JOHNSON'S CACTUS FOOD

Very useful in stimulating your plants into growth or flower. Well rooted Cacti and Succulents enjoy its mild stimulating effect. May be used in conjunction with Vitamin B1. Particularly useful in very sandy or loamy soils. We use it regularly for all our nursery plants.

12-ounce Bags. Each **50c**

2-pound Bags. Each **\$1.00**

AN AMATEUR'S GREENHOUSE

The little greenhouse of Mrs. Marlyn M. Hadley, of Dallas, Oregon. Like every fancier's glass house it is crowded to overflowing with plants that money could not buy. To the ingenious plant lover a small glassed-in house attached to the dwelling opens a new frontier of pleasure. If you are away during the day automatic ventilators and heat control will take care of things for you.

Opuntia Santa Rita. A very handsome flowered species, the large richly golden blossoms with a dark red central eye. The pale blue-green pads have few spines. Flowers very freely. Each. **40c**

Opuntia Schickendantzii. A rapid growing species with lively bright green pads rather long and narrow in shape. A pretty plant for pots. Grows easily. From Argentina. Each **23c**

INDIAN BONNETS

Very pretty, much branched, dwarf plants are produced when the green seed pods of Opuntias are planted. When well rooted they produce many miniature pads which are most attractive and much used in dish gardens. We offer these three varieties.

Yellow Indian Bonnet. *O. microdasys*. Each **20c**

Cinnamon Indian Bonnet. *O. rufida*. Each **20c**

Spiny Indian Bonnet. *O. Schickendantzii*. Each **20c**

COLLECTION P4. One each of the 3 varieties **50c**

OPUNTIA VERSCHAFFELTII

An elegant and pretty variety found in the highlands of Bolivia. The young stems bear fleshy leaves, which soon fall away. Flowers dark red. Rare. Each. **50c**





BOXING GLOVE
Opuntia mammillata

A very popular and pretty kind with reddish spines when young. As the plant grows the top opens out into a crest which gives it its name. It grows most easily and is pretty at all times. Unique. Each.....

20c

CONSOLEA RUBESCENS

A very pretty, almost spineless Opuntiad from Puerto Rico. It often colors up beautifully the pads assuming a dark coppery red color, sometimes almost black. Unlike most Opuntias, the joints often continue growing in length. Likes heat and moderate moisture. Each.....

25c

Consolea falcata.....

35c

Consolea spinosissima.....

35c

Opuntia bulbispina. A rare thimble-like species from Mexico forming small colonies. Plants each.....

35c

QUIABENTIA CHACOENSIS

A very rare Opuntiad from Bolivia with wheel shaped red blossoms! Bears true leaves, round stems. Each.....

75c



OPUNTIA TERES

A very rare species with deep garnet-red blossoms, the round stems bearing fat leaves which fall away as they mature. Grows readily in a sandy loam soil with moderate water. Each.....

35c



THIMBLE TUNA

A pretty dwarf species forming most interesting little groups. *Tephrocaetus sphaericus* grows in the high mountains of Peru. Grows easily, liking a light soil and sunny position. Don't fail to include this nice little plant. Each.....

25c



LEMON VINE
Pereskia aculeata

A true cactus with waxy, lemon scented, white blossoms and large, shining green leaves! *Pereskia* grows as a vine and is the best stock to graft Christmas Cactus on. Sandy soil and plenty of water. Each.....

30c



OLD MAN OPUNTIA
Opuntia vestita

A lovely variety, the stems thickly covered with soft, woolly white hair. This very choice plant comes from high in the Andes mountains of South America. It is almost spineless, the thick round stems bearing, when young, short subulate true leaves which fall with age. Bears crimson flowers followed by woolly red fruits. Likes half shade and when growing, moderate watering. Large plants, 50c. Smaller, 4-inch and 5-inch.....

25c

MAIHUENIA POEPPIGII

An extremely rare Opuntiad from Chile and a prize for the collector. The plants are quite dwarf and prostrate, the many branches covered with subulate, dark green, persistent leaves. Spines are weak and few. Blossoms are terminal, bright yellow and quite pretty. Grows readily in very sandy soil with moderate water. Each.....

75c

TACINGA FUNALIS

This extremely rare, monotypic genus is from Bahia, Brazil, where it is found on the dry catings. Sandy soil, moderate water. Each.....

\$1



GOLDEN TUNA

A lovely large flowered variety in bloom almost all summer long. One of the most satisfactory of all and quite winter hardy. Golden blossoms with red throat over 3 inches across. Pads spineless. Quick and easy grower in sandy soil with moderate watering. You will enjoy this free flowering variety. Large plants to 10 inches, 75c. Nice plants.....

25c

BURBANK'S SPINELESS CACTUS

The large fruits of this old favorite are very pleasant to eat. The sweet pulp is red in color, the fruits turning orange when ripe. The pads are spineless, quite large, up to a foot in length. Very abundant in fruit. Large plants, \$1.00. Smaller.....

50c

OPUNTIA COLLECTION

COLLECTION P17

6 nice varieties of these popular plants such as Bunny Ears, Boxing Glove, Dwarf Tree Opuntia, etc. They will make an attractive 5-inch and 6-inch dish garden. My selection.....

\$1.00

JOHNSON'S CACTUS SOIL CONDITIONER

Of great assistance in keeping cacti in good health, it adds the minerals ordinary garden soils often lack. A spoonful works wonders.

Small Size, 10-oz. Postpaid.....

60c

Large Size, 32-oz. Postpaid.....

\$1.00



CRESTED BOXING GLOVE

Collectors are always on the lookout for crested cacti and here is a fine, well crested variety that becomes very convoluted. It is slow to propagate and we have a very limited amount to offer. 2-inch and 3-inch each.....

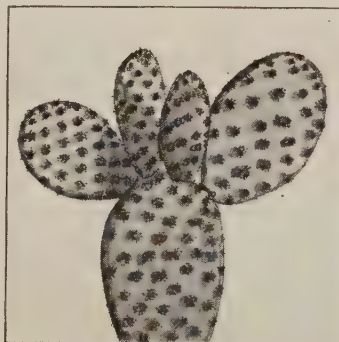
40c



ORANGE TUNA

Brilliant orange flowers borne on almost spineless pads. It is a free grower, the plant with age forming a trunk. *Opuntia elata* is a native of Paraguay. Likes a sandy loam and moderate waterings. Nice plants. Each.....

25c



CINNAMON CACTUS
Opuntia rufida

A very pretty cinnamon-red variety of the Bunny Ear group. Our plants are well branched, miniature cacti and ornaments to any collection. You will enjoy their odd forms. Nice branched plants.....

25c



OPUNTA MOELLERI

A new variety with egg shaped, nipped stems. Young plants form around the mother to make a cluster, sometimes three joints high. The pretty flowers are red. Grows readily in sandy soil with very moderate watering. Each.....

35c



DOMINOES
Opuntia erectoclada

One of the prettiest of the dwarf opuntias recently introduced. You will surely want it in your collection. Two inches tall, in nice clusters. Grows easily in sandy soil with moderate water. Fine clusters. Each.....

25c



FASCINATING BARREL CACTI OR ECHINOCACTUS

THESE barrel-shaped cacti are a very attractive group found scattered from the United States to Argentina. They vary greatly in their size and shape and in the kinds of flowers and fruits they bear. Some are tiny species the size of walnuts, others are 10 feet tall and a yard in thickness. They may be identified in two great geographical groups, the North American ones centered in Mexico and embracing such plants as Bishop's Cap, Golden Barrel, Cat's Claw, Agave Cactus, etc., the South American ones the Parodias, Lobivias, Chin Cacti, Ball Cacti, etc. I have placed under Echinocacti most of the globular types even though technically some are related more closely to the Cerei. Almost all of them have one feature in common (shared with their congeners, the Cerei), that is—ridged stems. This accordion effect, well shown in the photograph of the Star Cactus at the right, allows them to expand rapidly without bursting when the rains fall. Their flowers are regular and wheel-shaped generally though not always borne in the younger areoles near the top of the stems. The larger species are of interest for the beauty and symmetry of even the smallest seedlings. Many of the smaller ones bear really remarkable flowers. The delicacy and brilliance of some seem all out of proportion to the plants as though nature had tried to make up for the harshness of their surroundings.

VIOLET SEA URCHIN

Acanthocalycium violaceum (Two-thirds Nat. Size)
This very handsome and colorful small cactus flowers most profusely over a long period in early summer. The blossoms are particularly bright and shining and the color is most pleasing. Begins to flower when small and the number of blossoms increases yearly. The plants are globular and ridged like Echinopsis, but the flower tube is not hairy and much shorter. It is native to the dry mountains of Argentina. Grows very easily in semi-shade in light sandy soil with moderate waterings. Large flowering plants, 2½-inch to 3-inch, each, \$1.00; flowering, 2-inch, 75c; 1½-in., 50c; nice plants, 1-in. to 1½-in., each... 35c

ASTROPHYTUM

To this grand group belong some of the most popular and pretty cacti found in Mexico. All are very free flowering, producing blossoms all spring and summer. They are all small or medium sized globular cacti and seem particularly happy in cultivation. Their unique shape and texture make them appear as though carved from stone. No collection can be without them. Highly recommended.

CULTURE. They grow readily in the window garden and are not too particular, liking a sunny position you have it. Give them a sandy soil and when growing an occasional application of Cactus Food. Moderate waterings, allowing them to become dry between watering. This is important with all cacti and is the best of all insurance for success and blossoms! I have found them to enjoy a little lime in the form of old mortar or powdered dry eggshells. Our Cactus Compost contains the lime necessary. A sprinkling of charcoal mixed with the soil helps to keep it sweet and open. If you do not have these things do not let that deter you, for they are truly easily grown.

BISHOP CAP. *Astrophytum myriostigma*. Illustrated page 16 in full color. One of the most attractive and free flowering of cacti. Blooms several times during spring and summer. Everyone can flower it, as it blooms when young and is most easily cared for. Put it in a sunny window and it will reward you with its cheerful yellow blossoms many times. Moderate waterings. Mature flowering, 3-inch, \$1.00; 2-inch and 2½-inch, flowering, 50c; 1½-inch, 35c; small 1-inch... 25c

STAR CACTUS

Astrophytum ornatum (Natural Size)
Every collection should have this handsome and easily grown old favorite. It is beautifully flecked with a myriad of snowflakes which are really microscopic spine clusters. The large, lemon-yellow blossoms are borne freely throughout the summer. Grow semi-shade or full sun. Large 4-in. to 5-in. specimen plants, \$1.50; 3-in. to 4-in., \$1.00; 2-in. to 2½-in., 50c; 1½-in., 35c; small, 1-in. ... 25c



STRIPED CHIN CACTUS

Gymnocalycium Mihanovichii (Natural Size)
Beautifully striped green and maroon, this is one of the loveliest of dwarf cacti and will flower in any window from early spring to late fall. The blossoms are pale yellow, sometimes tinged with chocolate or pink. Large flowering, 2-inch, 75c; 1½-inch, 50c; smaller flowering, 35c; small, each... 25c

BISHOP CAP (Continued)

Four-sided Bishop Cap. A collectors' rarity. Always has four sides. Blooms and grows just as freely as the ordinary 5-sided type. Each, 1½-in. to 1½-in. ... 50c

***Astrophytum myriostigma coahuilensis*.** Whiter than the type and with red seed pods. Each, 1-inch to 1½-inch ... 75c

***Astrophytum myriostigma columnaris*.** This is much taller and slenderer and quite white. Very free flowering. Flowering size, 1½-inch and 2-inch, each... 60c

***Astrophytum myriostigma potosina*.** Darker and faster growing. Each ... 35c

***Astrophytum capricorne*.** This is the loveliest variety of all. The very large 2-inch to 3-inch blossoms are of a bright golden yellow, the base stained red. The satiny sheen of the petals which surround the feathery mass of yellow stamens is altogether beautiful. It is a small species, 4-inch or less, bearing no spines and spotted like the Star Cactus. It likes a warm sunny place and very moderate watering. 1-inch, 40c; 1½-inch and 3-inch, flowering, 75c larger... \$1.00

STROMBOCACTUS

A very rare genus from Mexico. Plants globular. Flowers white. We will have a few grafted plants in 1947. Full sun and liberal treatment.

***Strombocactus disciformis*.** Very distinct and curious. Grafted. Each ... \$2.00

***Strombocactus pseudomacrolele*.** A newly described species of quite different growth. Pretty. Grafted. \$2.00



DEVIL'S FINGER

Echinocereus Berlandieri (Two-thirds Nat. Size)
You will treasure this beautiful dwarf plant, which flowers freely in April. Lovely 3-inch blossoms, with lustrous petals enclosing yellow stamens and emerald green stigma. Short finger-like stems. Soon form nice specimen clusters. Very easy to grow on sandy soil with moderate waterings. Flowering clusters, 25c; smaller, 35c and... 25c

GOLDEN BALL

Notocactus Leninghausii
(Two-thirds Natural Size)

A lovely species with soft golden hair thickly covering the entire plant. I think it one of our choicest plants, a unique beauty. Grows easily with moderate waterings. 1½-inch specimens, 50c; 2-inch, 75c; 2½-inch to 3-inch, \$1.00; nice specimens... 27c

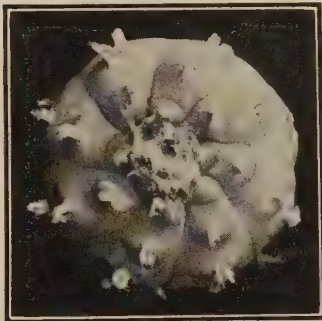




TOM THUMB

Parodia aureispina (Natural Size)

The easiest cactus to flower with golden, satin-like petals. The plant, a rich yellow globe with a myriad harmless spines on spiralled ridges. A light soil and moderate water. 2-in. to 2½-in. flowering, 50c; 1½-in., 35c; 1-in. 25c



SACRED MUSHROOM

Lophophora Williamsii

A Living Rock from Mexico, smooth bright blue and spineless. For centuries our Indians have used the plant as a narcotic producing an illusion of prismatic colors. Very attractive, thriving in sandy soil with very moderate waterings. Pink blossoms. Large, mature, 1½-inch to 2-inch plants, each. 50c

CACTI AND SUCCULENTS AND HOW TO GROW THEM

A splendid booklet dealing with the care, watering, propagation, grafting, seed raising, etc., of both cacti and succulents. A good, practical guide to success. Fully illustrated. Recommended. 50c Sixty-eight pages.

HARDY HEDGE HOG CEREUS

These plants bear gaudy, bright rose-pink blossoms 2 inches to 2½ inches across. They flower freely several times during the summer. Plants conical, 2 inches to 4 inches tall. Grow easily in sandy soil. Moderate water. Each. 30c



HEDGE HOG BARRELS

ECHINOCACTUS

A prominent feature of our South Western deserts and Mexico. The plants are barrel-shaped, in some cases quite large. The ribs are waved, heavy curved spines filling every areole. The top is often full of white wool from which the pale yellow flowers emerge.

CULTURE. They are quite shallow rooted and grow easily in a sandy soil and sunny position. A moderate amount of water and fairly small pots. Do not overpot any spiny cactus.

Golden Barrel. *E. Grusonii*. Illustrated page 14.

Eagle Claws. *E. horizonthalonius*. Illustrated page 15.

Giant Barrel. *E. ingens*. A pretty plant when small with blue body and dark curved spines. They live to a thousand years and become enormous, weighing a ton. Grows on gravelly mesas in Mexico and enjoys moderate waterings and a sunny position if possible. 2-inch to 3-inch, ea. 50c

Toothpick Cactus. *E. visnaga*. Grows easily, the young plants enjoying light soil and moderate watering. 1-in. to 1½-in., each. 25c

Echinocactus Palmeri. A giant species. Nice plants. 25c and 35c



SILVER BALL

Notocactus scopia (Natural Size)

A lovely small plant, silvery white with yellow blossoms. Grows quickly and easily under all conditions. A native of Brazil, where it is found growing amongst shrub. Likes partial shade and moderate watering. 2-inch to 2½-inch \$1.00; 1-inch to 1½-inch, 50c; nice plants, 35c and 25c

WHITE CHIN CACTUS

A rare and fine plant, dark green in color and bearing heavy spines. Charming pink and white blossoms in early summer. *Gymnocylidium Schickendantzii* grows readily in sandy soil with moderate watering. Large 40c 2-inch to 3-inch, 75c; smaller.....



MEXICAN LIVING ROCK

Ariocarpus fissuratus

It is a thrill to see the lovely blossoms this singular plant produces among its horny tubercles. No plant could look less like a living thing. The tough horny skin is brown through which the underlying green shows faintly. The root is thick, surmounted by a flat head of triangular tubercles, fissured and warty. It will generally flower for you the first year. Give it a very sandy, rocky soil and no water in winter. Flowering size, 1½-inch to 2-inch. 35c

ECHINOPSIS

EASTER LILY CACTUS

Handsome flowering plants, some with 10-inch blossoms which flower when small often for months. Of the easiest culture, requiring no special care. Especially recommended, a porous loam, moderate to generous waterings and sun or semi-shade. Cactus Food when growing.

Echinopsis albiflora. Large white, 3-in. to 5-in. Flowering 50c

Echinopsis Bridgesii. 10-in. white, 3-in. to 5-in. Flowering 50c

Echinopsis calochlora. Lovely shining pale green stems, charming white flowers 35c

Echinopsis Huottii. Handsome and highly recommended. Glorious snowy blossoms! Free blooming 2-in., 25c; 4-in. to 5-in. 50c

Echinopsis Johnsonii. Handsome dark pink fragrant ruffled flowers. 50c

Echinopsis leucorhodantha. White tinged pink. Flowering 35c

Echinopsis Los Angeles. Glorious dark pink flowers. Handsome plant. 50c and \$1

Echinopsis mirabilis. Dwarf. Rare 25c

Echinopsis obrepanda. Handsome frilled white flowers. Very rare and beautiful. 2-inch 50c

Echinopsis polyanctra. Handsome flowering plants 75c and \$1.00

Echinopsis Ritteri. One of the finest. Huge white blossoms. A very lovely plant. Very rare and unique. 40c; 2-in. to 3½-in. 75c

Echinopsis Sylvestrii. Graceful white Easter lily-like blossoms. Very free bloomer. Flowering 3-in., 60c; 4-in., \$1.00; 2-in. 40c

Echinopsis tubiflora Lagemanni. White. Large blossoms. Large flowering. \$1.00

Echinopsis turbinata. Popular short spined white flowers. Fine 25c

LEMON BALL

The very freest blooming and easiest to grow. *Notocactus submammulosus* should be in every collection. Light soil with moderate waterings increased when growing. Flowers for weeks in early summer. Flowering mature, 10 years old, \$2.00; smaller, 35c and 25c



GLORY OF TEXAS

Thelocactus bicolor

Gorgeous, crepe-like, brilliant pink blossoms over 2½ inches across. Blooms from spring to fall. Flowers for everybody. Light soil with moderate watering. Mature flowering specimens, 7 smaller flowering sizes, 2-inch to 3-inch, each. 35c

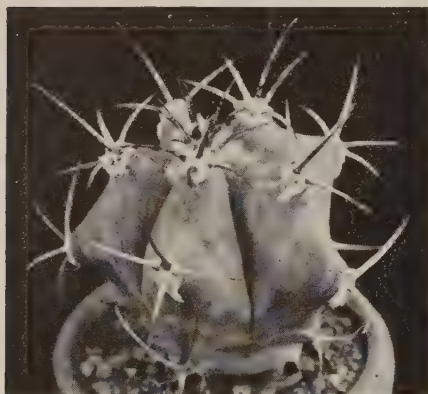




CRIMSON PARODIA
Parodia sanguiniflora

This lovely red-flowered species is one of our surest to bloom and easiest to grow. In May and June look for the brown woolly buds to swell and open in the sunshine. Native to Argentina. Give it semi-shade, sandy soil and moderate waterings. A distinctive plant. Nice plants.....

35c



TOOTH PICK CACTUS

The fine *Ferocactus visnaga* with stout spines. It grows to a large size and is very pretty in the smaller plants, too. The body is blue-grey and the crown is often filled with wool. Nice plants.....

35c

ERIOSYCE

A very rare genus from Chile and seldom seen in collections. The plants may grow to a foot in diameter. *Eriosyce korethroides* is pretty with chestnut colored spines and red blossoms. Give it sandy soil, moderate water and sunlight. Nice plants.....

\$1.00

CACTUS SEED

De Luxe Mixture. Superb mixture made up of over 50 varieties of Cacti. All important and many rare kinds included. Put up in 2 separate packets of fine and large seeds. The collection.....

\$1.00

GOLDEN BARREL

These form beautiful golden globes with age and are very attractive. A great favorite with collectors. Write for prices on large specimens. Nice plants, 35c and

25c



NEOPORTERIA

A rare Chilean genus often found on cliffs overhanging the seashore. They vary considerably in appearance. The flowers are most attractive, of large size and freely produced. Give them a sandy loam soil and during their season of growth moderate waterings. Rest well during the winter by withholding water.

BLACK CACTUS

Neoporteria nigricans

One of the rarest and most sought after of cacti. The plant is quite black, sometimes shading to brown, a strange color for any plant. The spines are black also, while the good sized flowers are chocolate brown. It grows easily but is impatient of too much water. Grafted plants make handsome specimens. Nice plants, 1-in. to 1½-in. Each

50c

CHILEAN OLD WOMAN. *Neoporteria nidus*. One of the most striking white-haired cacti in cultivation. The plant is hidden in a thicket of long, curling white hair. One of our loveliest flowering cacti bearing exquisite long pink blossoms thrusting above the nest of white hair. Flowers more than once during the season. These will always be rare. 1-in. to 1½-in. plants.....

75c



DAM'S CHIN CACTUS

Gymnocalycium Damsii

If you want lovely blossoms don't fail to have this charming plant which blooms from late spring till fall! The pink and white blossoms are an inch or more in diameter, several appearing at a time. It comes into bloom when hardly an inch in diameter. The larger the plants, of course, the more flowers they bear. Grows in the hills of its native Paraguay. You will find it amongst the easiest to grow of cacti liking a fertile, sandy loam soil, moderately frequent waterings and semi-shade. Mature specimens, 2½-inch and 3-inch each, \$1.00; nice flowering size, 50c; small flowering size, each.....

25c

WEINGARTIA

A new genus erected to include some aberrant species from the arid southern Andean mountains. The plants are globular with short spines and brilliant orange-yellow, fully expanded flowers which will entrance you. Give them a quite sandy soil and moderate water. They thrive when grafted on Peruvian Apple Cactus.

WEINGARTIA CUMINGII. An extremely rare and pretty species from Bolivia. Short yellow spines thickly interlaced. When in bloom the top is smothered in orange yellow blossoms, often several from an areole. A collectors' item. Each 1½ to 2-in.....

\$1.50

WEINGARTIA FIDAIANA. A new species not so heavily spined, but with much larger cadmium-yellow blossoms. Branches with age. Very rare. Each

\$1.00

WEINGARTIA NEUMANNIANA. A fine, few spined species often forming branched heads. The flowers are orange-red with pointed petals. Each.....

\$1.00



DWARF CHIN CACTUS

Gymnocalycium Quelhianum

A fascinating small cactus with the loveliest white blossoms flushed with warm pink. Flowers abundantly from April to July. It is perfectly at home in the window garden, asking only sandy loam, moderate watering and semi-shade. Large specimens, 2-inch and 3-inch, \$1.00; nice plants, 50c; Flowering plants, 1-inch and 1½-inch.....

35c

BRITTONIA DAVISII

A monotypic genus from Texas. It is similar to a red spined *Echinocactus* and bears nice yellow blossoms. May reach 8 inches to 10 inches in diameter. Grows freely in light soil with moderate waterings. Each

30c

CACTUS INSECTICIDE

Our special instruction sheet describing common cactus pests and treatment together with 2-oz. bottle of Red Arrow Spray recommended, effective and non injurious.....

40c

ODDS AND ENDS

COLLECTION P-19

Left over plants from shipping tables. Rather than replant them we offer them at bargain prices.

15 plants for.....

\$1.50

SUN CUPS

Notocactus apricus (Natural Size)

A charming spring blooming cactus that bears flowers much bigger than itself! One of my favorites, growing so easily and flowering so regularly. The buds are covered with chestnut wool until just before the cheerful yellow blossoms appear, each with a velvet red stigma among the pale stamens. From Uruguay. Give it sandy soil, moderate watering, and as much light as possible. Specimens, 50c. Flowering, 35c and

25c





VIOLET EASTER LILY CACTUS

Echinopsis leucantha

All the Easter Lily Cacti are pretty and this is one of the best. The large blossoms are almost white, tinged with violet. *Echinopsis leucantha* likes a light loam soil, moderate watering and sun or semi-shade. Flowering. 75c. 1½-inch, 35c; nice 1-inch plants, each.....25c

BARREL CACTI

FEROCACTUS

Schinopsis leucantha

These are familiar sights in the heat tortured desert mountains of the Southwest, standing sentinel over the lonely wastes, golden in the purple twilight. Give them a porous sandy loam, remembering not to keep their feet wet and to give them plenty of fresh air and sunlight.

CANDY BARREL. *Ferocactus Wislizeni*. A fine Arizona species with stout, hooked, quite red spines. Fairly rapid growth and one of the easiest to grow. It is commonly used to make the famous cactus candy35c and 25c

FEROCACTUS ECHIDNE. A large Mexican species with yellow spines and flowers. 3-in. Ea...40c

FISH HOOK CACTUS. *F. electracanthus*. One of the very prettiest and best with red or yellow spines. Rapid grower for the window garden. 3-inch, 50c; 2-inch, 35c; 1-inch, each.....25c

FEROCACTUS GLAUCESENS. A small growing species. Yellow spines and blue body. 5-inch. Each\$1.50

INDIAN FISH HOOK. *F. latispinus*. Species with red spines, the central one broad and stout, hooked at the end. Flowers straw yellow or crimson. It is easy to grow, enjoying a light loam soil, moderate waterings and full sun or partial shade. A colorful plant. When the spines are wet they turn quite red. 2-in., each, 35c; 1-1½-in., each, 25c.

FEROCACTUS LATISPINUS FLAVISPINUS. As above, with yellow spines.35c

EAGLE CLAWS

Echinocactus horizontalis

An old favorite bearing handsome purple flowers in summer. The blossoms arise from the woolly crown. The curved spines are quite stout, the plant body blue. A native of western Texas. Enjoys a slight sandy soil and full sunlight. Nice plants for flowering.....25c



BARREL CACTI (Continued)

Ferocactus penninsulæ. A fine large species from the tip of Lower California. The spines are red and hooked. Easy to grow. 1-inch to 1½-inch. Each25c

Ferocactus pilosus. Very pretty species, with age producing stout, long hairs at the areoles. Spines ruby red, flowers orange red. Easy to grow and a very popular species. 2-inch35c

Ferocactus rectispinus. Probably the longest spined of all cacti, the central spine from 6 to 9 inches in length. The young spines are quite red and the plant very attractive. 1-inch and 1½-inch, each.....35c

Ferocactus Townsendianus. A pretty red spined species from Lower California. Very rare. Each.....35c

Ferocactus viridescens. A native to the seacoast of Southern California. Flat topped with green blossoms35c

Ferocactus robustus. A cluster forming species with sharp, undulate ribs in mature plants. An attractive specimen. 2-in., ea...40c



ECHINOPSIS SPECIES NOVA

A lovely mountain species, bearing the whitest of flowers, the buds covered with woolly black hair. Very easy to grow in sandy loam, moderate water, semi-shade. Large specimens, 2-inch and 2½-inch, each, 75c; smaller flowering size, 35c 50c; nice plants35c

PYRRHOCACTUS

The Flame Cacti are very rare in collections. They are most interesting group found in Chile and Argentina. The plants are small, with heavy tubercled ridges and stout spines. The flowers are funnel-form, dark red in color. They like a sandy loam soil and moderate waterings. Give them a sunny location.

Pyrrhocactus horridus. A vigorous species with large chin-like tubercled ridges and strong, recurved spines. The red blossoms appear in quantity. Very rare. Each...\$1.00

MALACOCARPUS

A fine South American genus of globular, ridged cacti with incurved spines and bright yellow crepe de chine flowers. Excellent for pot culture. Give them a light loam soil, moderate watering and a trace of shade in summer.

Malacocarpus corynodes. Very recently introduced, this fine species is a native of Uruguay. The plant may reach 4 inches in diameter, with 13-16 acute ridges. The depressed top is filled with white, felted wool. Flowers 2-in. wide, canary yellow. Large 1½-inch plants. Each.....\$1.50

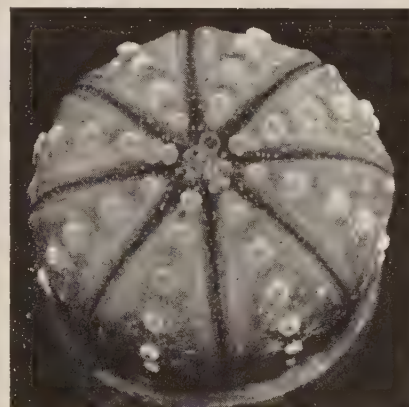
Malacocarpus erinaceus. Very rare species. 1½-inch to 2-inch. Each.....\$1.00

Malacocarpus pauciareolatus. A handsome dark green plant with few sharp, low ridges and few spines. Very rare. 2-inch to 2½-inch, Each\$1.00



NOTOCACTUS MAMMULOSUS

This favorite has handsome large, bright yellow flowers. Surprisingly floriferous and easily grown. Enjoys light loam with moderate waterings and semi-shade. Giant flowering specimens, 3-inch and 4-inch, \$2.50, \$5.00; 2½-inch and 3-inch, \$2.00; 2-inch and 2½-inch, \$1.00; smaller flowering, 50c and 35c; ¾-inch and 1-inch plants.....25c



SAND DOLLAR

Astrophytum asterias (Natural Size)

One of the oddest cacti, entirely spineless and freely bearing large yellow blossoms with red throats. Very rare even in the wilds. Sandy soil and very moderate waterings. Semi-sun. Mature flowering plants, each50c

GYMNOCALYCIUM VENTURIANUM HYBRIDS

These beautiful forms of the lovely *Gymnocalycium venturianum* are exquisite. They vary in flower color from pink to scarlet and are truly as pretty as any cactus I know. Like all the Chin Cacti, they flower freely in spring and summer, producing their flowers over a long period. Of easiest culture, liking sun and moderate water. Flowering plants.....50c





PARODIA MUTABILIS

Natural Size

The Parodias are all lovely plants with beautiful and bright blossoms. This charming variety has orange-yellow blossoms, often tinged with red in the throat. Even small plants produce several flowers in May and June. It is a very consistent bloomer each year and rates high with me both for its elegance as a dainty plant and its floriferousness. Of the easiest culture, needing only light loam soil, moderate to generous watering and semi-shade. Flowering size, 35c; smaller 25c

PARODIA

Elegant small plants bearing the bright-est of blossoms in yellow and red and often as large as the plant. They are mountain dwellers found principally in Argentina. The plants seldom exceed 3 inches in diameter.

Culture. They are quite at home in the window garden and enjoy a sandy loam soil, semi-shade and moderate waterings. Cactus Food applied once or twice during the season helps to keep them blooming.

Parodia scopacoides. A handsome, free flowering species with large orange blossoms. One of the prettiest of cacti either in flower or not. The dainty spine clusters are arranged in graceful spirals with the longer central spine reddish in color and hooked at the tip. Flowering size, 35c; larger, 50c; Small, 3/4-in. to 1-in., each, 25c.

See pages 13 and 14 for illustrations of others.

LILAC EASTER LILY

Echinopsis rhodotricha argentinensis

Vigorous handsome plants with grey-blue bodies and stiff spines. Flowers white suffused with lilac and freely produced at intervals during summer. Likes a sandy loam soil and moderate watering. Give semi-shade or sun and Cactus Food occasionally. Flowering specimens, 2-inch to 3-inch, 75c to \$1.00; smaller, 2-inch, 50c; nice plants, 35c and 25c



NOTOCACTUS

BALL CACTI

Some of the most fascinating and loveliest flowered cacti are found in this group and I personally recommend them, knowing they will please in every way. They are all South American species.

Culture. Very easily grown in a sandy loam soil and appreciate Cactus Food two or three times during the summer. Give moderate waterings in summer time, a little less in winter. Partial shade in summer.

Notocactus apricus. See page 14 for illustration.

Notocactus caespitosus A newly introduced species with large yellow blossoms. Each50c

Notocactus floricomus. A pretty variety with stout spines and bright yellow blossoms. Each 1-in., 35c; 2-in. flowering.....50c

Notocactus Graessneri. Yellow Ball. A handsome species, thickly covered with pale yellow spines. Charming! Specimens 1 1/2-inch, 50c; smaller, 35c and.....25c

Notocactus Hasselbergii. A truly lovely species, thickly covered with glossy white spines and crowned in March and April with vivid orange-red blossoms. Flowering size, \$1.00 each. Smaller.....50c



STRAWBERRY CACTUS

Hamatacactus setispinus

I cannot recommend this fine plant often enough! It blooms in profusion all summer long and is a great favorite with bright yellow flowers and scarlet fruits. Grows easily and flowers when quite small. Enjoys a light loam soil and Cactus Food occasionally. Moderate water and partial shade. Flowering specimens, 50c; smaller, 35c and 25c

NOTOCACTUS (Continued)

Notocactus Schumannianus. Giant Ball. A fine species with long, reddish-yellow, hair-like bristles. The ridges are very numerous and shallow, the top depressed and filled with wool from which the flowers emerge. A very choice plant. Each 50c

Notocactus scopa. Illustrated page 13.

Notocactus submammulosus. Illustrated page 13.

Notocactus tabularis. A fine species with low ridges faintly tubercled and with flexible, reddish bristles. The flower buds are clothed in brown wool opening into handsome yellow blossoms. Large flowering, each, \$1.00; smaller.....50c

JOHNSON'S CACTUS FOOD

A safe reliable food to keep your cacti in health and induce flowers. Especially useful for sandy soils. Bags50c and \$1.00

INDIAN HEAD

Notocactus Ottonis (Natural Size)

A lovely free-flowering species recommended for its long blooming season, which extends over much of the late spring and summer. A small plant, hardly attaining more than 4 inches in height. Grows easily under all conditions. summer blooming. Moderate watering and semi-shade suit it well. Flowering, 50c. Nice plants..... 35c



BISHOP'S CAP

Astrophytum myriostigma

A popular plant for every collection and very easy to grow. Flowers freely all summer long. A spineless plant thriving with moderate watering. Large flowering specimens, 3 1/2-inch and 4-inch, \$1.50; 3-inch, \$1.00; 2-inch, 50c; 1 1/2-inch, 35c; nice plants..... 25c

NOTOCACTUS (Continued)

Notocactus Leninghausii. Illustrated page 12.

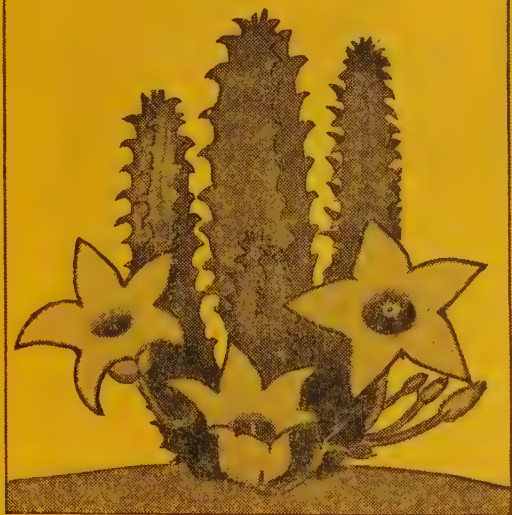
Notocactus Linckii. A rare and desirable species with lemon yellow blossoms. Grows somewhat like N. Ottonis. Large flowering specimens, 2-inch to 2 1/2-inch, \$1.25. Smaller flowering, 1 1/2-inch75c

Notocactus mammulosus. Illustrated page 15.

Notocactus Mueller-Melchersii. The true species with handsome pink blossoms! Altogether different from the one formerly known under this name. One of the finest of new introductions. Beautiful. 1 1/2-inch flowering size.....\$1.00

Notocactus Ottonis uruguayensis. A very handsome variety with rich yellow blossoms that glisten in the sunlight. Each..... 35c

Notocactus pampeanus. A charming species with spine clusters quite red when young and the plant itself with a reddish tinge. Ribs low, strongly tubercled with stiff spines. Flowers quite large, bright yellow. From Uruguay. Large flowering specimens, 1 1/2-inch to 2-inch. Each.....50c



YELLOW DRAGON FLOWER

Huernia primulina

A charming free flowering Dragon Flower of primrose yellow. The bells are in clusters at the base of the plants appearing all summer and fall when they are growing. Moderate waterings. Nice clusters **35c** and..... **25c**

MINIATURE CACTI SEED

A fine mixture of the choicest Parodias, Mamillarias, Echinopsis, Notocacti, Gymnocalyciums, etc. Fifteen or more of the prettiest small growing types. Full instructions for planting. Per packet..... **50c**

CHOICE SUCCULENT SEEDS

A choice mixture containing many rare species of Mesembrianthemums, Crassulas, Cotyledons, Echeverias, Anacampseros, Aloes, Gasterias, etc., from our large collections. All freshly collected from our own plants. Many interesting things. Per packet..... **50c**

MIXED PINCUSHION SEED

Mamillarias are one of our specialties and this mixture contains a very pretty and representative group. They germinate readily and can be flowered in two years. You will enjoy them. Per packet..... **25c**

MIXED LIVING ROCK SEED

There are many kinds of Living Rocks and we have one of the finest collections in this country. Pleiospilos, Dinteranthus, Lithops, Lapidaria, etc., are included in this selection. Per packet **50c**

CACTI SEED

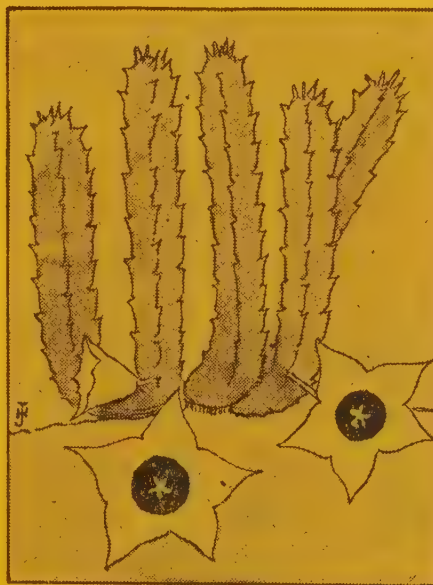
Cacti grow readily from seed which germinates in 7 to 30 days, depending on heat and moisture conditions. Full instructions with every order of seed. Seed collected from our own plants.

MIXED CACTI SEED

Contains more than 20 species of standard varieties of Mamillarias, Cerei, Echinopsis, Pipanthocerei, Trichocerei, Cleistocacti, etc. You will have fun growing them. Per packet..... **50c**

DE LUXE MIXTURE

Superb mixture made up of over 50 species of Cacti. Many rare kinds included, all collected from our own plants. All cacti seedlings are pretty and many bloom within two years. Put up in two packets of fine and coarse seeds. The collection..... **\$1.00**



RED DRAGON FLOWER

The handsome *Huernia Schneideriana* bears delicately beautiful flowers with velvety red petals and black center. Flowers all summer. Moderate water and semi-shade. Nice plants, **35c** and..... **20c**



WOOLLY DRAGON FLOWER

Huernia hystrix (One-half natural size)

A lovely species whose star-like blossoms are covered with soft yellow and red papillae on a yellow ground. This curious blossom will well repay you for its care. Clusters..... **35c**

LITHOPS

We have the only large collection of Stone Faces in the United States. They are very scarce.

30c Each Unless Priced

Lithops alpina; L. Aucampiae; L. bella; L. Comptonii, 50c; L. Framesii; L. fulviceps; L. Herrei; L. inornata; L. karasmontanum; L. kunjacensis, 50c; L. Lerichiana; L. Leslie; L. Marthae; L. mickbergensis; L. Mundtii; L. olivacea; L. Peersii; L. pseudotruncatella; L. Schwantesii; L. summitata; L. turbiniformis; L. umdausensis; L. Ursulae.

COLLECTION P-22

5 LITHOPS MY SELECTION..... \$1.00

COLLECTION P-24

10 LITHOPS MY SELECTION..... \$2.50

TIGER JAWS

Interesting and rare species of *Faucaria*.

25c Each. Nice Clusters.

Faucaria acutipetala; *F. albidens*; *F. arrabidaei*; *F. Blue Queen*; *F. Bosscheana*; *F. Brittenae*; *F. carinata*; *F. cradockensis*; *F. Duncanii*; *F. felina-Jamesii*; *F. Jamesii*; *F. longidens*; *F. longifolia*; *F. lupina*; *F. Red Queen*; *F. Rhynfelidae*; *F. sulrueteria*.

COLLECTION P-23

5 RARE VARIETIES MY SELECTION \$1.00

COLLECTION P-25

10 FAUCARIAS, YOUR SELECTION. \$2.00

BLACK DRAGON FLOWER

The fascinating easily grown *Huernia Penzigi* bears pretty black bells all summer. Quick growing. Clusters, **35c** and..... **20c**



The NEW SAND CULTURE for CACTI

Hydroponics is the scientific name for growing plants in culture solutions. This new science is rapidly proving its worth and for the cactus enthusiast has especial points of interest. One may grow his plants in clean porous sand, thus at once preventing any possibility of over watering. This is of particular interest to collectors where warm, dry or sunny weather is at a premium. Many choice or difficult plants thrive under this treatment for cactus roots, when well fed, enjoy spreading in the air-filled sand.



VITAMIN B-1

Wright's B-1 Tablets
For use in any Soil

Works miracles on cacti, often bringing refractory plants into bloom. Don't fail to use this wonder working solution. Better Homes and Gardens tests on Cacti reports wonderful success attained in flowering slow plants. Particularly valuable to stimulate new root growth after transplanting. We use it regularly at our nursery.

Each tablet makes 1 to 2 gallons of solution. 150 tablets with full instructions..... **50c**

PLANT-CHEM SALTS

Now Grow Prize Cacti the Easy Way

Cacti grown in pure sand and watered regularly with this nutrient solution make a healthy, vigorous, normal growth. Contains, in scientific proportions, the thirty chemicals needed in the growth of all plants.

12½ gallon package post-paid..... **30c**
100 gallon package post-paid..... **\$1.10**
400 gallon package post-paid..... **\$2.20**

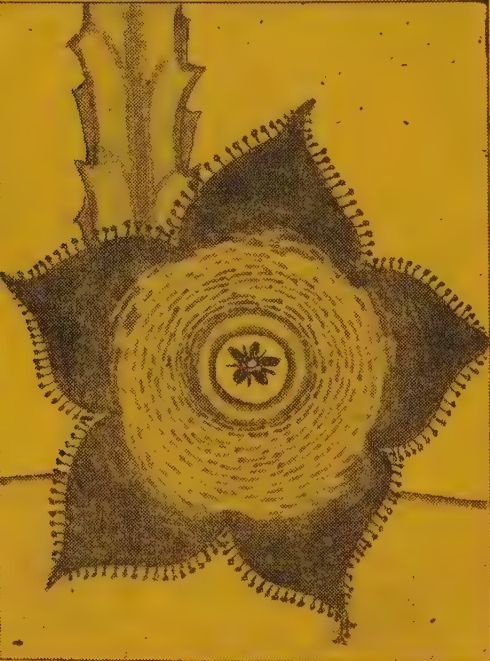


JOHNSON'S SAND CULTURE KIT

COLLECTION H-23

Complete instructions on growing Cacti and Succulents in sand with nutrient solutions. Simplifies watering. Makes the most difficult desert plants of easy culture. Particularly useful where winters are long and damp.

12½ gallon package Plant-Chem, 150 tablets Vitamin B-1, 1 bottle Johnson's Cactus Foods—All Postpaid..... **\$1.10**



FRINGED STAR FLOWER

Stapelia mutabilis is a free flowering variety raised in Europe over 100 years ago. Flowers amber with yellow lines and a fringe of purple vibratile hairs. Very easy to grow. Nice plants..... **35c**

TERMS

This catalog cancels all previous catalogs and prices. Please do not order from old catalogs, as plants are out of stock.

I GUARANTEE SAFE DELIVERY

ANYWHERE IN U. S. OR CANADA

No Shipments During December

FREE DELIVERY: I ship free all orders amounting to \$1.00 or more.

MINIMUM ORDER for free delivery is \$1.00. Orders for less must include 25c extra to cover packing costs.

HOW TO REMIT: By check, postal note, money order or stamps. When stamps are sent I appreciate larger denominations, 10c to 25c. No. C.O.D.

HOW WE SHIP: By guaranteed Parcel Post, which delivers directly to your door. All plants are passed by State Horticultural Inspectors to insure freedom from insect pests. They are packed by experts in strong especially made boxes, heavily insulated from cold and clearly marked "Rush—Perishable—Tender Plants."

MAY WE SUBSTITUTE IF OUT?

We have fine stocks of all items offered, but owing to the great number of items listed we ask if you will add to the bottom of your list two or three second choices.

CACTUS HELPS

COLLECTION P-21

Items to make the growing of your plants easier and more enjoyable. Included here are all the things to root and grow your plants except loam and sand. Sand may be purchased from poultry houses or builders. Loam from garden or hillside.

Book, "Cacti and Succulents and How to Grow Them."

75c package Cactus Compost.

Johnson's Cactus Food.

Johnson's Cactus Soil Conditioner.

Quart of Cactus Hardwood Charcoal.

Cactus Insecticide and Leaflet.

50 Wooden Plant Labels.

7 Items to Make Cactus Growing Easy. Postpaid..... \$3.00



SUPPLIES for CACTI . .

Few things are needed in the growing of cacti more than interest and a desire to form an increasing collection of them. However, for the city dweller and more serious collector I am offering a few things that may make their culture easier. The things we offer are the things we ourselves use.

JOHNSON'S CACTUS FOOD

A very effective fertilizer with a good organic base, the ingredients of which are blended and proportioned to help your plants to make normal matured flowering growth. It is not a soluble fertilizer but should be scattered over the soil, a level teaspoonful to a 4-inch pot, three or four times during the growing season after the plants are well established.

Light applications every three or four weeks during the growing season only are more effective than heavy applications.

12-ounce Bag **50c**
2-pound Bag **\$1.00**

ROOTWELL

Want to raise Cactus cuttings? Our new triple hormone powder for rooting refractory cuttings of all kinds designed particularly for quickly rooting Cacti and Succulents. Sterilizes the cut surface and induces luxuriant growth of roots. Apply dry with finger to fresh cut.

Full Directions. Per Jar..... **50c**

CATALOG INDEX

Page	Page
Acanthocalycium 12	Kleinia 3-4-5-20
Acanthocereus 24	Lapidaria 7
Adromischus 6-8	Lemaireocereus 24
Agave 9	Lepismium 35
Aloe 4-5-6-9-34	Leptocereus 29
Anacampteros 6	Lithops 6-7-8-17
Argyrodema 5	Lobivia 21-22-23
Ariocarpus 13	Lophophora 13
Astrophytum 12-15-16	Machaerocereus 27
Brittonia 14	Maihuenia 11
Bulbine 20	Malacocarpus 15
Calluma 20-36	Mamillaria 30-31-32-33
Cephalocereus 25-26-28	Mediocactus 28
Cereus 25-26-28	Monvillea 24-26
Ceropegia 20	Myrtillocactus 26
Chamaecereus 24-25	Nananthus 6
Chiapasia 35	Neoporteria 14
Chilenia 21	Nopalxochia 25
Cleistocactus 20-27-28	Notocactus 12-13-14-15-16-22
Conophytum 5-8	Nyctocereus 26
Consolea 11	Odontophorus 6
Coryphantha 30	Opuntia 8-10-28-32-34
Cotyledon 6-8-9-20	Oreocereus 28
Crassula 4-6-7-9-20-36	Pachycereus 27
Deamia 27	Pachyphytum 3-20
Dinteranthus 7	Pachyveria 9
Dolichothele 30	Parodia 13-14-16
Dyckia 8	Pereskia 11
Echeveria 3-4-5-8-9-27	Piранthus 34
Echinidopsis 36	Piptanthocereus 26
Echinocactus 13-14-15	Pleiospilos 7-9
Echinocereus 12-13-27-29-34	Portulacaria 6
Echinopsis 13-15-16-21-22-34	Pseudorhipsalis 35
Epiphyllum 35-36	Pyrrhocactus 15
Eriocereus 25-26-28	Quiabentia 11
Eriosyce 14	Rahlea 6
Esposita 24-27	Rathbunia 29
Euphorbia 3-4-5-6-7-8-9-20-27-29-34	Rhipsalis 35
Faucaria 8-9-17	Rimaria 7
Fenestraria 6	Rochea 5
Ferocactus 14-15-22	Sedum 3-7-20
Gasteria 4	Selenicereus 24-27
Gibbaeum 7	Sempervivum 7
Graptopetalum 3	Seticereus 24
Gymnanthocereus 27	Stapelia 3-4-5-7-18-36
Gymnocalycium 12-13-14-15-21-23	Stapelianthus 36
Hamatocactus 16	Stomatium 6
Harrisia 24	Strombocactus 12
Hattoria 35	Tacinga 4
Haworthia 3-8	Tavaresia 20
Hereroa 3	Tephrocactus 10-11-25
Hoodia 36	Thelocactus 13
Hoodiopsis 36	Titanopsis 6
Hoya 35	Tradescantia 9
Huernia 17-18-34-36	Trichocereus 25-27-29-34
Huerniopsis 36	Trichodiadema 7
Hylocereus 27	Urbinia 9
Kalanchoe 4-7-8-20-36	Weingartia 14
	Werkleocereus 28
	Zygocactus 29-35

JOHNSON'S CACTUS SOIL CONDITIONER

Of great assistance in keeping cacti in good health it is designed to add the minerals ordinary garden soils often lack. Desert soils are often high in mineral content, for there is little rain to leach them away. A spoonful of my Conditioner placed about a Cactus plant and stirred lightly into the soil will often bring an ailing one back to health. Mix it with your potting soils.

Small Size, 10 Ounces. Postpaid..... **60c**
Large Size, 32 Ounces. Postpaid..... **\$1.00**

JOHNSON'S CACTUS COMPOST

Mix With Your Own Sand and Soil.

An economical compost for Cacti and Succulents which when mixed with equal or larger quantities of both sand and light loam makes a very suitable soil for all desert plants. Composed of our reclaimed sclerophyllous leafmold, lime, gypsum in the proper proportions for all potted cacti. A light and bulky mixture, the same as we use in our own potting soils for both seedling and specimen plants.

Per Bushel Bag, F.O.B. Hynes..... **\$2.50**
Per Peck. Postpaid..... **1.95**

4 Pints or 2 Pounds to Make 6-10 Quarts of Potting Soil. Postpaid..... **75c**

OUR SPECIAL CACTUS LEAFMOLD

A reclaimed, sclerophyllous desert leafmold, sifted, light and dry. Mixed with equal parts of both sand and loam it makes a fine, economical cactus soil.

32-ounce Bag **70c**

HARDWOOD CACTUS CHARCOAL

Useful in keeping cactus soils sweet and aerated. Helpful in heavy soil.

Per Quart **35c**

CACTUS INSECTICIDE

Our special instruction sheet describing common cactus pests and treatment, with spray formulas. We recommend Red Arrow Spray as effective and non-injurious to cacti or other house or garden plants.

Instruction Sheet and Bottle of Red Arrow Spray. Postpaid **40c**

KENYA DRAGON FLOWER

A very interesting addition to the pretty group of Dragon Flowers. *Huernia keniensis* is an easy and vigorous grower and flowers from spring till cold weather. The blossoms are dark red, almost black, and are borne in clusters at the base of the new growth. Clusters, 35c and..... **25c**





HYNES, CALIFORNIA

1947

Handsome, velvety purple "stars" 4 inches across, each petal fringed with soft violet hairs! Nice clusters, 50c and..... 35c

**On orders of \$3 or more
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This catalog cancels all previous catalogs and prices. Please don't order from old catalogs, as plants are out of stock.

NOTE! Orders for less than \$1.00 must include 25c extra to cover packing costs.

★ To assist us in promptly filling your orders please write letters on a separate sheet.

★ When you unpack your order look for my free booklet, "The Culture of Cacti."

To avoid delay will you give us two or three extra plants at the bottom of your order to use only if we are out of items ordered.

We have ample stocks and do not expect to run short of plants, but authorized second choices may save time and correspondence.

If no choice is given may we use our judgment? ☐

Owing to present conditions it is increasingly difficult to answer correspondence regarding culture, etc., promptly without greatly increasing the costs of our products. We beg your indulgence for delays. **All orders go out promptly.**

Leaving room in your letter for answers to your questions will help us serve you better. Stamped self-addressed envelope for replies are greatly appreciated.

"Cacti and Succulents and How to Grow Them"

68 pages and many photographs of cactus lore. Plain information on the care of your plants. Much recommended50c

110 colored pictures, 150 cactus photos. Full information. Cloth binding. Post-paid **\$2.10**

800 succulents described.
167 pages crammed with in-
formation. 400 illustrations,
85 in color. Cloth. Post-
paid **\$2.10**

[illegible]

CHOOSE 10% IN FREE PLANTS ON ALL ORDERS OF \$3.00 OR MORE

CACTUS BOOKS

These fascinating plants have a most interesting and comprehensive literature. You are missing half the pleasure of this amazing hobby if you do not have these illustrated and instructive reference books to turn to when you want to learn further about your acquisitions or intended purchases. You will learn more about the countries from which they come, about the conditions under which they grow and what other amateurs have learned about them. Books are getting scarcer and in the past year many have been sold out and are not available.

CACTUS AND SUCCULENT JOURNAL

A monthly magazine published by the Cactus and Succulent Society of America. A well illustrated magazine of the greatest interest and one that will keep you up to date on what is going on in the cactus world, of the newest plants discovered, of the trips of collectors into far countries and culture of a never ending variety of plants. You can also get in touch with your local society and collectors near you. A really worthwhile periodical.

Cactus and Succulent Journal subscription and year's membership in the Society..... **\$3.00**

EPIPHYLLUM HANDBOOK

A splendidly illustrated new book on these popular plants, many pictures in color. Their history and culture and all about them. 240 pages, 190 illustrations, 11 color plates. Postpaid..... **\$3.60**

CRASSULA

Mostly African succulents with great diversity of growth. Porous loan, moderate waterings and light without too much full sun.

Crassula corallina, 20c. *C. cordata*, 20c. *C. corymbulosa*, 20c. *C. Dregeana*, pink hybrid, 40c. *C. Justus-Corderoy*, 20c. *C. lactea*, 20c. *C. montis-draconis*, 35c. *C. pachyphylla*, 50c. *C. Purcelli*, 20c. *C. Schmidtii*, 20c. *C. lycopodioides*, 20c. *C. tetragona*, 20c. *C. tomentosa*, 30c. *C. trachysantha*, 20c.

COTYLEDON

A large genus often with charming blossoms and many odd forms. Culture as for *Crassula*.

Cotyledon Dinteri, \$1.50. *C. Flanaganii*, 25c. *C. macrantha*, 40c. *C. Waltheri*, 25c. *C. Pillansii*, 25c. *C. teretifolia*, 35c. *C. undulatum suberbum*, 50c. *C. Wallichii*, \$1.50. *C. sp. nova*, Near Wallichii, \$1.00.

KALANCHOE

Many have handsome blossoms and are found in florists shops.

Kalanchoe Daigremontianum, 25c. *K. Engleri*, 35c; *K. Fedtschenkoi*, 20c. *K. flammula*, 25c. *K. marmorata*, 25c. *K. crygalis*, 40c. *K. rotundifolia*, 25c. *K. somaliensis*, 20c. *K. thyrsiflora*, 35c.

PACHYPHYTUM

Long lived Mexican succulents that make handsome specimens. *Pachyphytum brevifolium*, 25c. *P. compactum*, 25c. *P. Hookeri*, 50c.

KLEINIA

A group of S. African succulents related to the daisies. *Kleinia acaulis*, 40c. *K. fulgens*, 75c. *K. radicans*, 25c. *L. repens*, 25c. *K. tomentosa*, 25c. *K. scaposus*, 50c.

CEROPEGIA

Climbing or trailing succulents, some with fleshy corms. Flowers handsome and curious. *Ceropegia Barkleyi*, 25c. *C. debilis*, 25c. *C. radicans*, 50c. *C. Sandersonii* Handsome, 75c. *C. stapeliiformis*, 50c. *C. Woodii*, 25c.

BULBINE

Liliaceous plants with pretty spikes of flowers. *Bulbine caulescens*, 25c. *B. Triebneri*, 25c.

TAVARESIA

Tavaresia grandiflora is one of the very prettiest and rarest stapeliads with beautiful striped, red and yellow tubular bells some five inches long. Handsome spiny stems Fine..... **50c**

MAMILLARIA HANDBOOK

A complete book about these interesting cacti. 390 pages, 300 fine illustrations and descriptions of all known species. A complete bibliography and annotated list of all published names for the past 150 years.

By Dr. Robt. T. Craig. Postpaid..... **\$7.70**

BRAZIL AND ITS COLUMNAR CACTI

A splendid account of a trip through Brazil looking for Cacti by a famous botanist, Dr. Werdermann. Postpaid.... **\$3.15**

THE STAPELIEAE

All there is to know about the Starfish Flowers and their allies. 1,233 photos and many colored plates. Three deluxe volumes, 1,200 pages. Buckrum binding.

Express collect..... **\$12.50**

THE EUPHORBIEAE

Two new volumes on the succulent South African Euphorbias. 1,000 pages, 1,100 photos. A real manual.

Express collect..... **\$12.00**



EUPHORBIA POLYACANTHA

A fine easily grown Milk Tree, the stems green with a blue overcast. It branches very freely from the base, making a very attractive specimen. I think it one of the neatest of the group. Spines are flexible and not very sharp, 50c and..... **25c**

EUPHORBIA

One of the largest of all genera of plants. Many are amongst our prettiest and most sought after succulents. We have a very large collection of rare species.

Euphorbia acruensis, 75c-\$1.50. *E. antiquorum*, 50c. *E. Bojeri*, 50c. *E. bubalina*, 50c. *E. canariensis*, 75c. *E. caput-commelinii*, 75c. *E. coerulescens*, large, \$1.50. *E. echinus*, 35c. *E. enopla*, 40c. *E. ferox*, 75c. *E. fruticosa*, 75c. *E. globosa*, 50c. *E. hep'agona*, large, \$1.00. *E. Hislopii*, \$1.00. *E. horrida*, \$1.50. *E. inermis*, \$1.00. *E. ingens*, \$1.00. *E. lactea*, 50c. *E. Moringii*, 75c. *E. nerifolia cristata*, \$1.25. *E. officinarum*, 75c. *E. ornithopus*, 75c. *E. polygona*, 50c. *E. pseudocactus*, 40c. *E. Royleana*, \$1.00. *E. resinifera*, 35c and 50c. *E. Susannae*, \$1.00. *E. tridentata*, 75c. *E. tubigians*, 75c. *E. valida*, \$1.50. *E. Winkleri*, \$1.50.



XMAS GOLD Sedum Adolphii

A great favorite for its bright golden yellow leaves. Easy to grow, this Mexican succulent likes a light loam and moderate watering. Full sun or semi-shade. Each..... **20c**

CULTURE FOLDERS

A series of small folders in which I have described the general care of special groups of succulents, etc.

Stonefaces and other Mimicry Plants. Their culture..... **10c**

Starfish Flowers. How to care for a collection..... **10c**

Euphorbias. Their culture and growth..... **10c**

Mexican Succulents. *Echeveria*, *Pachyphytum*, etc. Their care..... **10c**

Epiphyllums and other shade loving Cacti. Their care and flowering..... **10c**

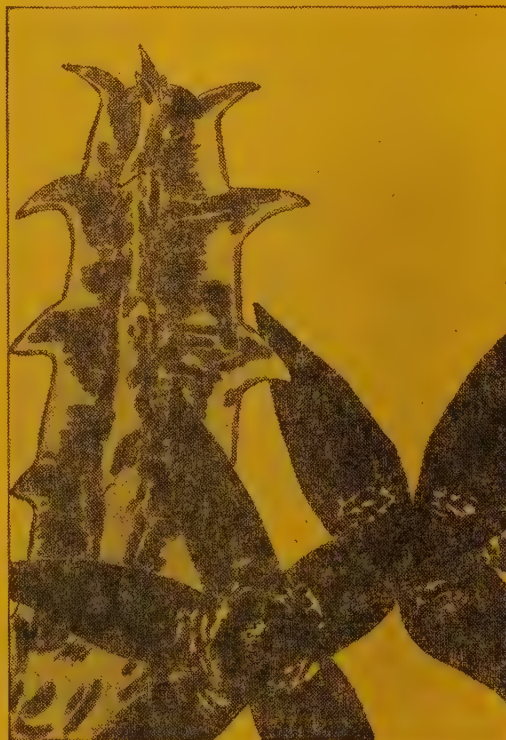
WHAT KIND OF CACTUS IZZAT?

A hilarious cartoon book by Reg Manning on Cacti and other desert plants. You will like it and it is a swell gift for friends with a funny bone. Also there are 100 pages of accurate and interesting information on Cacti. Cloth binding..... **\$1.35**

RUSSET STARS

Caralluma Nebrownii

A striking species, the stems heavily mottled with dark maroon on a silvery green ground. Plants form clusters. Flowers dark red brown in some cases almost black. Likes a sunny location, very moderate waterings. Nice..... **35c**





PINK CHIN CACTUS

Gymnocalycium Fleischerianum (Natural Size)

A very floriferous variety with charming flowers varying from white to pink. They come into bloom in April and flower till early fall. Our plants are rarely without blossoms. The plants blossom when an inch in diameter. Grows very rapidly and easily, liking a sandy loam soil with feedings of Cactus Food. Semi-shade and moderate waterings. Large flowering specimens, 3-inch, each, \$1.50; flowering, 2½-inch, \$1.00; 1½-inch and 2-inch, 50c; smaller flowering, 25c; nice plants



PINK EASTER LILY CACTUS

Echinopsis multiplex (Half Natural Size)

A favorite for 100 years because of its ease of growth and splendid, big 6-inch, fragrant, pink blossoms. No beginner should be without it. Give it generous treatment, light loam soil, moderate waterings and semi-sun. Flowering specimens, 50c; small, 35c and



SNOW CUPS

Echinopsis Kratochviliana (Half Natural Size)

Dainty white ruffled blossoms borne in great abundance. A charming variety from the mountains of Argentina. Likes a rich, light loam soil with plenty of water during the growing period and moderate watering thereafter. Semi-shade. It blooms with us in May and June. Flowering specimens, 2½-inch and 3-inch, each, \$1.00; smaller, 50c; nice plants.... 35c

CHILENIA

A very pretty genus with bright pink or red flowers. All native to Chile. They bear an extraordinary number of blossoms and come into flower when comparatively small. They are very spiny, globular plants with low, tubercled ribs bearing from 1 to 3 blossoms at each areole. Very much recommended.

Culture. They like a sunny position and a rich, light loam soil with moderate watering while growing, less in winter when resting. They bloom with us from February to June.

CHILENIA ACCUTISSIMA. An attractive species with carmine-pink blossoms, spreading petals and short tube. A globular, very spiny plant with low ridges. With great age it may reach a foot in height. From the dry hills near Valparaiso, Chile. Quite rare. 2-inch flowering specimens, 50c; smaller, 35c and..... 25c

Chilenia castaneoides. Very rare. Each..\$1.00

Chilenia heteracantha. An exceptionally pretty plant with longer, more flexible spines and larger flowers. Flowers when quite small. Fine flowering, 1½-inch to 2-inch, 75c; smaller, 50c and 35c

Chilenia subgibbosa. A fine large species with pink blossoms. Grows freely. A choice collectors item. You will like this one. Fine plants, 1-inch to 1½-inch. Each..... 35c

HEDGE HOG CEREUS

Echinocereus pentalophus (Two-thirds Natural Size)

The handsome carmine rose blossoms are 3 inches across, each satiny, shimmering petal shading to white at the base. It blooms most freely with us, a cluster being a sheet of glorious color. It grows quickly for everyone. Give it a rich, sandy loam, moderate waterings and more when growing. Semi-sun to full sun. Flowering clusters, 50c; smaller flowering, 25c; small clusters



HYBRID EASTER LILY CACTUS

Echinopsis hybrida

A very fine lot of these beautiful flowering cacti, ranging from white to pink. We have a new lot of hybrids from our best varieties and every plant will prove of top quality. A light loam soil with moderate waterings, semi-shade or sun will suit them. Feed with Cactus Food. Large flowering, 2½-inch and 3-inch, each, 50c; smaller flowering, 35c; nice plants

PYGMY EASTER LILY

Echinopsis hamatacantha (Half Natural Size)

This lovely pink and white flowered pygmy Easter Lily Cactus will thrill you when it opens its dainty blossoms in May and June. Very easy to grow, liking a sandy soil, moderate waterings and semi-shade. 3-inch specimens, \$1.00; 2-inch flowering, 50c; nice plants, 35c and



GOLDEN EASTER LILY CACTUS

Lobivia aurea (Natural Size)

A handsome free flowering species and a quick and easy grower. In late spring the plants are wreathed in blossoms. I consider it one of the choicest varieties and fully recommend it. Moderate waterings and almost full sun suit it. Fine flowering specimens, 2-inch and 3-inch, \$1.00; smaller flowering, 50c and 75c; nice strong plants, 1-inch and 1½-inch..... 35c

TURKS CAP

Melocactus

One of the oddest of all cacti. Each mature plant bears a red cephalium shaped like a Turks fez. They are native of the Caribbean region and to Central and South America and everywhere attract attention. They enjoy warm weather and a sandy loam soil. Give moderate watering and semi-shade.

Turks Cap. *Melocactus intortus*. A fine species, easily grown. Plants with fully developed cephalia are great curiosities and much sought after. Small plants, 1-inch and 1½-inch, each..... 40c

Melocactus bahiensis. 1-inch and 2-inch. 50c

Melocactus Lemairei. A fine species. 40c

Melocactus violaceus. Fine 2-inch and 3-inch plants. Each 75c





ORANGE COB CACTUS

Lobivia famatimensis

The vivid flowers of this fine cactus are a startlingly beautiful sight. The petals are like crepe de Chine and are in all shades of orange. The plants are very free flowering. Full sun, moderate waterings. Flowering size, 1½-inch and 2-inch each, 75c; smaller, 50c and 35c

LOBIVIA COB CACTI

These small Cacti are native to the high mountains of South America. Some are found at 13,000 feet on the bleak shores of Lake Titicaca. Most species are cluster forming, some have fibrous roots, others fleshy tap-roots. The blossoms of all are exquisite in all shades of pink, red and yellow.

Culture. They enjoy a sandy soil, moderate watering and plenty of sun in summer. Rest in a cool place in winter. When growing apply Cactus Food monthly.

Lobivia allegriana. A globose species with pink flowers. Each 50c

Lobivia atrovirens. A dark green cylindrical plant with short brown spines. Each..... 50c

Lobivia Backebergii. See next page.

Lobivia Binghamiana. A cluster forming species with red flowers. Each..... 50c

ECHINOPSIS POLYANCISTRA

A lovely snow-white flowered variety bearing black hairs along the tube. The flowers are quite large and fragrant. It flowers very freely and is quite easy to grow, liking a sandy soil and moderately free waterings. Semi-shade. Specimen flowering plants, 3-inch and 4-inch, \$1.50; fine flowering size, 2½-inch and 3-inch, \$1.00; smaller flowering..... 75c



Lobivia boliviensis. A fine species with orange red flowers 50c

Lobivia cinnabarina. A beautiful species with carmine red blossoms 75c

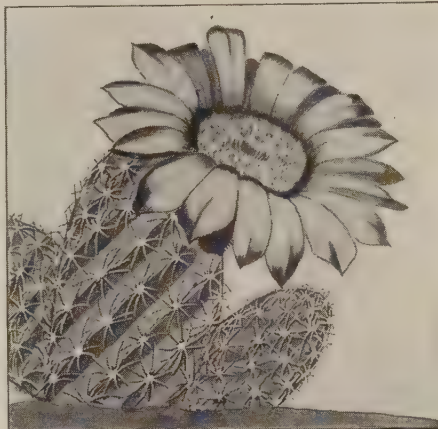
Lobivia chrysantha. A very handsome species with beautiful golden blossoms shading to red in the throat. Quite fragrant. A much recommended plant. Each 35c

Lobivia corbula. A beautiful variety with red flowers tinged with blue..... 75c



LOBIVIA SANGUINIFLORA

A lovely red flowered variety with cup-shaped blossoms. The buds are clothed with russet hairs. Flowers freely, liking a sunny situation and sandy soil with application of Cactus Food while growing. Moderate waterings. Large flowering plants..... 50c



LOBIVIA NEALEANA

Quite large bright red blossoms produced in early summer. A cluster forming species branching freely. Give it a sandy soil, moderate waterings and applications of Cactus Food. Full sun or semi-shade. Large plants, \$1.00; smaller..... 35c

Lobivia cylindrica. A larger, single stemmed plant bearing large, handsome golden blossoms. A very choice variety and free bloomer. Each 35c

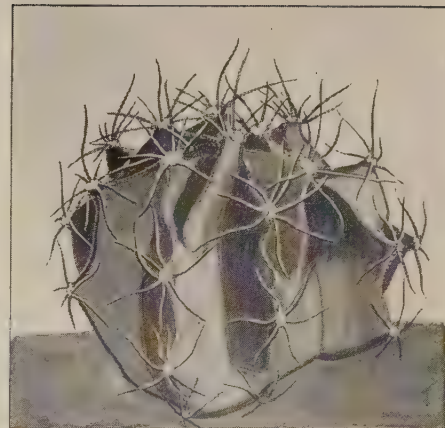
Lobivia densispina. Considered by many one of the prettiest species, with large, ruffled, yellow blossoms, the center filled with sulphur-yellow stamens. A vigorous grower. Large, 6-inch, \$1.35; smaller 35c

Lobivia Ducis-Pauli. A large single stemmed species with heavy spines. This vigorous plant bears white blossoms. Makes a fine specimen. 2-inch to 3-inch, each, 75c; smaller..... 50c

Lobivia jojoiana. A pretty species with wine-red blossoms. From Salta, Argentina. Each 35c

Lobivia jojoiana var. Fleischiana. This handsome variety has longer spines and dark vinous blossoms 50c

Lobivia Hermanniana. A vigorous species forming fine clusters. The blossoms are a bright violet-rose to cinnabar-red. A very vivid flowered, choice plant. Fine 2-in. plants..... 35c



MELON CACTUS

Ferocactus electracanthus

A fine, quick growing Barrel Cactus from Mexico. The yellow and red spines are strongly curved. Very easily grown and one of the most popular of this fine group. Mature plants reach over a foot in diameter. Flowers yellow. Beautiful 2-inch specimens, 25c 35c; smaller, each 25c

Lobivia Hertrichiana. A very charming species with vivid red blossoms 1½ inches in diameter. The plants produce many offsets, soon forming clusters. A fine variety. 2-inch to 3-inch flowering, 75c; smaller..... 50c

Lobivia laterita. Beautiful, brick-red blossoms with black hairs along the tube. Plant to 4 inches with low ridges and short, russet spines. A fine variety. Large flowering plants, 3-inch to 4-inch, \$1.00; smaller..... 50c

Lobivia Marsoneri. A yellow flowered species related to *L. famatimensis*. Forms clusters. Each 50c

Lobivia mistiensis. A rare species with rose-wood colored blossoms, paler within with red central stripe. Plant caespitose. 2-inch to 3-inch flowering size 75c

Lobivia Pentlandii. A well known variety with wine-red blossoms. Sometimes single, often forming clusters. Quite rare in collections 75c

Lobivia Pentlandii achatina. A fine variety with red blossoms. From imported stock..... 75c

Lobivia potosina. A large, solitary species with prominent ribs and long, dark spines in mature specimens. Fine flowers. Each..... 50c

Lobivia pseudocachensis cinnabarina. A caespitose small plant with large rootstalk and bright cinnabar-red blossoms..... 50c

Lobivia Shreiteri. A small caespitose plant with wine-red flowers 50c

Lobivia Wegheiana. A very pretty species with handsome large pink flowers..... 50c

YELLOW BALL

Notocactus Graessneri

One of the prettiest of the Ball Cacti, forming pale yellow globes to 3 inches in diameter. The plant always grows faster on one side, giving the ball an odd and pleasing shape. Grows freely in a sandy soil with moderate waterings and semi-shade. Large 2-inch plants, 50c; smaller specimens, 35c; nice plants, each 25c





ROSE CHIN CACTUS

Gymnocalycium Urselianum

A lovely, large flowered Chin Cactus of the most tender rose color. Sturdy, vigorous growing, it may reach 3 inches in diameter and produce several of its handsome blossoms, which last several days. Always attracts attention. Moderate watering with semi-shade. Large, 3-inch and 4-inch, flowering, \$1.50; fine young plants, 50c and..... **35c**

GYMNOCALYCIUM CHIN CACTI

For those who enjoy cactus flowers I recommend the Chin Cacti, for they are amongst the surest and easiest to flower of all. Many of them flower almost all spring and summer. They are native to South America, where they are found in the foothills and mountains. The lovely flowers are in shades of white, pink, red and yellow, and sometimes almost smother the plant. They are mostly small plants, seldom exceeding an orange in size. Many bloom when scarcely an inch in diameter.

Culture. They are of the simplest culture, liking a sandy loam soil with occasional feedings with Cactus Food. Moderate waterings and semi-shade suit them well.

Gymnocalycium Anisitsii. A rare species from Paraguay with white flowers freely produced lasting several days. Plant globular with stout curved spines. Large, 1½-inch, 75c; smaller **50c**

Gymnocalycium Baldianum. A pretty form with white flowers softly suffused with rose. Large 2-inch flowering specimens..... **\$1.00**

Gymnocalycium Bodenbenderianum. A free flowering plant slate-green in color, with few curved spines and pretty pink and white blossoms. Each **25c**

Gymnocalycium Bruchii. A lovely pink flowered variety, the plant is quite small and branches freely. Very free in flowering. Large specimens, 2-inch, \$1.00; blooming, 50c; nice plants **35c**

Gymnocalycium capillense. A rare species with rose-pink blossoms. Each..... **\$1.50**

Gymnocalycium Castellanosii. A very rare new species from Northern Argentina. Fine white flowers faintly suffused with pink. Large **\$1.50**

Gymnocalycium chubutense. A rare variety similar to gibbosum. Each **\$1.00**

Gymnocalycium Delaetii. A very fine specimen plant, olive or copper-green with few angles and heavy curved spines. Flowers white. A vigorous strong growing variety. Large flowering 3-inch to 4-inch, \$1.50; 2-inch to 3-inch, \$1.00; smaller **50c**

Gymnocalycium denudatum. An old but rare species with pretty white flowers. Each..... **50c**

Gymnocalycium gibbosum. A vigorous growing plant, light green in color, with heavy yellow spines and white blossoms. Each..... **75c**

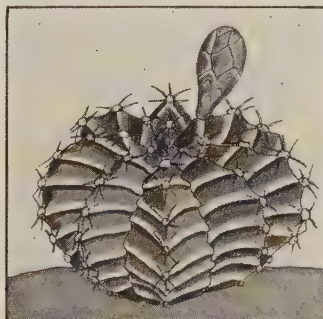
Gymnocalycium gibbosum Schlumbergeri. Plant deep coppery olive-green. Flowers white suffused with pink. Large flowering plants. Each **\$1.00**

Gymnocalycium Leeanum. A very pretty small variety with pale yellow blossoms. Flowering size **50c**



LOBIVIA BACKEBERGII

This pleasing red flowered species blooms in great profusion in late spring. The plant has few spines and forms clusters of stems with age. The buds appear above the older areoles and generally all open at once, making the plant very gay. Grows easily in sandy soil with moderate watering and full sun. 4-inch and 5-inch, \$1.00; smaller **35c**



PLAID CACTUS

Gymno. Mihanovichii stenogonum

A very brightly banded form of this lovely Chin Cactus. Silvery-green with maroon bars with a frosted appearance when seen in the sunlight. Very easy to grow. Sandy soil, moderate water and semi-shade. Fine specimens, 75c; flowering size, 50c; smaller **35c**

VIEW IN OUR NURSERY

Here in our nursery are hundreds of thousands of cacti from tiny fat seedlings to flowering specimens, from which we collect our own seed. Through the years we have learned something of the ways of Cacti and our effort now is to give you a normal, healthy plant which will flower soon and grow easily for you. Our plants are not forced into tender, unnatural growth, but have adequate, healthy root systems, far different than the sad specimens picked up in the dime stores.



HYBRID CHIN CACTI

A series of handsome hybrids between C. Damsii and G. Mihanovichii. They are very floriferous and bloom when very small, the blossoms ranging from yellow to pink and white, some almost chocolate. Give generous treatment, partial shade. Of the easiest culture. 35c and **25c**

Gymnocalycium leptanthum. One of the handsomest and largest flowered species with blossoms larger than the plant and tender rosy-white in color. Plant to 3-inch pale green. Large specimens, \$1.00; smaller, 50c and..... **35c**

Gymnocalycium loricatum. A species long known but very rare. Pink flushed flowers, plant with few, wide, rounded ridges and curved spines. 1-inch to 1½-inch. Each..... **50c**

Gymnocalycium Mihanovichii. For this superlative species see page 32.

Gymnocalycium Monvillei. An old but rare species from Paraguay. Flowers pink. Very charming. Spines yellow. Each..... **35c**

Gymnocalycium multiflorum. A strong grower with large white blossoms. Pretty. Flowering specimens, 3-inch to 4-inch, \$1.50; flowering, 2-in., each, 75c; 1½-in., 50c; smaller..... **35c**

Gymnocalycium occultum. Very rare. Large, 3-inch **\$1.50**

Gymnocalycium Pflanzii. A rare and seldom seen species. Each **50c**

Gymnocalycium saglionis. The giant among Gymns., reaching 5 inches in diameter. Flowers warm pink. Fine 2-inch..... **50c**

Gymnocalycium Venturianum. Scarlet Chin Cactus. A handsome bright red flowered species. Free bloomer! Fine flowering plant. 75c; smaller flowering, 50c; nice **35c**

ROSE PLAID CACTUS

Gymnocalycium Friederichii (Natural Size)

Certainly the loveliest of all Chin Cacti, with large, pure rose blossoms. The bright body stripes makes it outstanding. Blooms when small very freely and over a very long period. This is a new plant we are just offering. Same treatment as Plaid Cactus. Flowering size, 75c and **50c**





QUEEN OF THE NIGHT

Selenicereus Macdonaldiae

An old favorite with huge 12-inch flowers of snowy white. Free blooming. Grows quickly and easily, liking partial shade and light loam soil. 2 feet to 3 feet. \$1.50; smaller.....

35c



PERUVIAN OLD MAN

Euphorbia lanata

A handsome plant covered with white cottony hairs. Very easily grown and a great favorite. A native of the high mountains of Peru. No collection should be without this unique species. A sandy loam with moderate waterings and semi-shade suit it. Large, 3- and 5-inch, \$1.00; smaller, 35c; nice woolly plants.....

25c

ACANTHOCEREUS

A genus of quick growing, spiny cerei native to Mexico and the Caribbean. Flowers white, nocturnal.

Acanthocereus pentagonus. Very easily grown and flowered. Stems triangular, spiny. Pretty snowy blossoms 6 inches long. Each.....

35c

Acanthocereus maculatus. A recently introduced plant with marbled, hardly spiny, stems. Each.....

50c

MONVILLEA

A fine flowering genus of small growth. Very attractive. Sun or shade.

Monvillea diffusa, 25c. *M. Anisitzii*. Rare, 75c. *M. Spegozzinii*. Handsome spotted stems, 35c. *M. sp. nova*, 75c.



An Intriguing Family the CEREUS

A noble group of cactaceous plants widely distributed over North and South America, being particularly abundant in the better watered regions. With few exceptions, they are easy to grow, having vigorous root systems and often rapid growth. They vary greatly in the way they grow, some forming immense branched trees almost 50 feet tall, while others may be tiny species clustering for protection at the feet of their lordly kin. The climbing Queen of the Night and her relatives frequent wet tropical jungles, clambering high in the trees, opening their snowy blossoms in the airy lofts above the jungle floor. The tree-like varieties are mostly seen on the lower slopes of the mountains and mesas, a few ascending almost to the snowline. They seem to be at their best where it is temperate or warm and where there is a fairly moist summer period, although this may be followed by long months of drought. During the few months of the year when the rains and the sun are favorable they make their growth, expand their glorious blossoms and mature their often large and colorful fruits. As the rains cease the plants are plump with their stored moisture, ready to face their lonely vigil through the parched and blistering months to come.



PEANUT CACTUS

Chamaecereus Sylvestrii (Natural Size)

One of the easiest to grow and attractive of all cacti. Will often produce 15 or 20 branches in a season. Should be in every collection. Moisture and partial shade. Large, with arms, 35c; nice plants.....

25c

SETICEREUS

A genus recently erected by Backeberg to clarify the aberrant species of *Borziacactus*, the conception of which is none too clear. Natives of Peru.

Seticereus Humboldtii. Just introduced, this rare species may grow to 3 feet. Has bristly pseudocephalum and carmine flowers. Grows easily, sandy soil, moderate waterings. Each 50c and 35c.

HARRISIA

The Harrisias are sometimes upright, sometimes clambering. They are very free bloomers, the flowers being white and followed by large yellow fruits. Native to the Caribbean.

Puppy Tail. *Harrisia eriophora*. This fine, fast growing species branches freely and in summer produces many showy blossoms and golden fruits. Each.....

25c

FUN WITH CACTI

"Please send me the cacti as listed. This is my seventh order from you, and I have had such excellent luck with my plants from your nurseries. I am very proud of my collection, which is greatly admired by all my friends, and I get much fun from my hobby."

MRS. BLAINE HARRIS,
Devils Lake, North Dakota.

— 24 —



PRINCESS OF THE NIGHT

Selenicereus pteranthus

A glorious blossom and one of the largest in the cactus family! It is the most satisfactory and freest in bloom of this group. Grows rapidly and without special care, flowering during the summer. Even small plants will bloom on matured stems. Loam soil, semi-shade and moderate to generous waterings. Large flowering size, 3 feet to 4 feet, \$1.25; smaller, 75c; nice plants, 50c and.....

35c

JOHNSON'S CACTUS COMPOST

Mix with Your Own Sand and Soil

An economical compost for Cacti and Succulents when mixed with equal or larger quantities of light loam and sand. Suitable for all cactoid plants. Composed of our reclaimed sclerophyllus leafmold with lime and gypsum in the proper proportions. Makes a sweet, porous soil for all potted cacti. We use it in all our soils for small plants or specimens. Full instructions enclosed.

\$1.95

4 pints or 2 pounds to make 6 to 10 quarts of potting soil. Postpaid.....

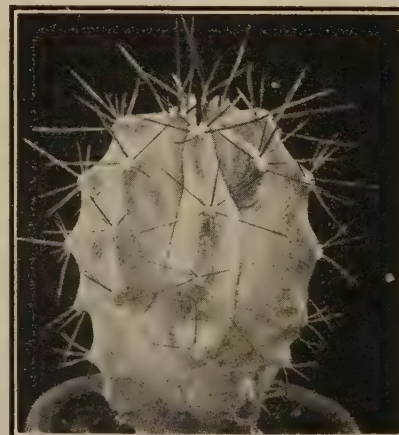
75c

POWDER BLUE CEREUS

Lemaireocereus pruinosus

A lovely blue-white species, charming during every stage of its growth. Likes sandy soil and moderate waterings. Sun or semi-shade. Large, 4-inch and 5-inch specimens, 50c; smaller, 20c; 35c; nice colored plants, each.....

20c



CULTURE OF CEREI

Cerei are, with few exceptions, vigorous, strong growers of easy culture, presenting no particular problems to the cultivator. They are mostly native to the better watered slopes of warm semi-desert regions. The most popular types, such as the Peruvian Apple Cactus, Powder Blue Cereus, Torch Cacti, Old Man Cacti, Cleistocactus, Giant Cereus, etc., enjoy fairly generous treatment. They are vigorous rooting plants, and I have found they thrive splendidly in a porous soil of one part sandy loam, 1½ parts gritty builders sand, 1 part leafmold or our Cactus Compost, and a sprinkling of Cactus Soil Conditioner. While growing they are greatly helped by regular feedings every two weeks with our Cactus Food. They will grow almost anywhere, but prefer a sunny position in the window garden with plenty of fresh air, which all plants enjoy. In summer if they can be put out doors in a hot, sunny position such as under the eaves near the house foundation. (Caution: Protect during the first two weeks from full sun to prevent burning.) They will show their appreciation by extraordinarily fine natural growth.

Practically all cacti are happiest in medium sized pots. For though in the wilds their roots may ramble over considerable distances, tracing out the pockets of humus-laden soil, yet in cultivation large pots for small plants generally become sodden and sour, which may mean sickly, yellow plants. It is interesting to note that the healthy feeding roots are always found clinging to the porous air-filled sides of the pots and not in the middle of the ball. We have found 3-inch to 4-inch or 5-inch pots quite ample for our plants up to 15 inches tall. Potted thus with plenty of Cactus Food when the pots are full of roots, they will make the most satisfactory growth with very little danger of overwatering. Keep the surface occasionally stirred up with a pencil to depth of ¾-inch.

In winter rest your plants by gradually withholding water till eventually only enough water is given to keep the plants barely plump. Never at this season give your plants a soaking, always water lightly and on bright days. Wetness in dull weather will cause rotting.



GRAFTED PEANUT CACTUS

These form very interesting specimens, being grafted on snake cactus stems. They rapidly form valuable clusters and in spring bear their bright red blossoms. Single stem grafts, each..... **50c**



CURIOSITY PLANT

Cereus peruvianus monstruosus (Natural Size)

These novel and attractive cacti never lose their odd method of growth. They are always pretty, with their bright chestnut spines and living green stems. Fine for pots. Large specimens, 3-in. and 4-in., **75c**; smaller, **50c** and **35c**; fine, 1-in. and 1½-in. **25c**



OLD MAN CACTUS

Cephalocereus senilis

The long snowy-white hair of this venerable cactus makes it one of the most sought after. No collection should be without it. My plants are clean and snowy white, with many healthy roots. 1½-inch and 1¼-inch, **35c**; 1¼-inch hairy plants, each..... **25c**



MOON CACTUS

Eriocereus

These are very free growing cacti and flower most freely, the large snowy blossoms opening in the evening and remaining open till late morning. Easy to grow, liking a rich loamy soil and moderate waterings. Sun or semi-shade. 3-in. to 6-in., each..... **25c**



CEREUS HYBRIDUS MONSTRUOSUS

A strange and monstrous cactus attracting the attention of all who see it. They grow more upright than the Curiosity Plant and soon form most unusual specimens. As easy to grow as any cactus, and never lose their peculiar manner of growth. Fine plants, 2-inch and 3-inch, each..... **35c**



PAPER SPINED OPUNTIA

Tephrocactus glomeratus

One of the prettiest and most peculiar of cacti. Instead of spines, they have long, white, paper ribbons! Your friends will envy you this fine plant. Easy to grow. Sandy soil, sun, moderate water. Fine plants, each..... **25c**

CACTUS COLLECTION P-5. Four Cacti illustrated above. Only..... **95c**

EMPRESS

Nopalxochia phyllanthoides (Two-thirds Nat. Size)

The loveliest long-keeping pink blossoms imaginable. I have counted 500 flowers on one plant! No spines. Beautiful for corsages. An old favorite in window gardens, where it thrives, producing a fine display of the daintiest pearl-pink blossoms. Flowers last for weeks. A light sandy loam with leafmold. Partial shade, moderate to generous waterings. Flowering, **75c** and..... **50c**



CEPHALOCEREUS

OLD MEN CACTI

These humanly interesting cacti are found all the way from Florida to Argentina. They vary greatly in habit, some being but a yard high, others reaching skyward almost 50 feet. Some are single columned, as the Mexican Old Man cactus, others are much branched. All of them are characterized by having more or less developed pseudocephalia or "heads" of silky white hair, from which the flowers emerge. This hairy head may be strikingly developed with long silky-white tresses in thick spectacular mats.

Culture. They like a light sandy soil, moderate waterings and sun or partial shade. After they are well established they will thrive with feedings of Cactus Food.

Cephalocereus arrabidaei. See page 34 for illustration.

Cephalocereus cometes. A fine Mexican species. 4-inch to 10-inch..... **50c** to **\$1.00**

Cephalocereus Curtisi. A small growing species with sharp thin spines. 5-inch to 7-inch. Each..... **50c**

Cephalocereus glaucocochrous. Handsome blue stemmed species. Specimens, 12-inch..... **\$2.00**

Cephalocereus Palmeri. A fine form with blue white stems and fine silky white cephalium. Even young plants have wool. Each..... **35c**

Cephalocereus pernambucensis. A pretty more or less creeping species from Brazil. Nice plants, 6-inch to 10-inch, **\$1.00**; smaller 3-inch to 6-inch..... **50c**

Cephalocereus Sartorianus. Blue stems with white wool. 4-inch to 6-inch, **50c**; larger..... **\$1.00**

WHITE BOWER CACTUS

Trichocereus Schickendantzii

A pretty plant with pale green, fat stems gemmed with small stars of russet spines. It branches extremely freely, forming close packed clusters of upright stems. The blossoms are huge and snowy white. A single plant will often bear a dozen at a time. Larger plants, **35c**; fine, 1½-in. and 2-in., each..... **25c**





OLD MAN CACTUS

Cephalocereus senilis

Another view of the popular and venerable Old Man Cactus. It grows in vast forests on the dry hillsides of Central Mexico, where it is called Cabeza del Viejo, or Old Man's Head. The prize of every fancier's collection. Likes a sandy soil, very moderate waterings, and sun or as much light as possible. 1 1/4-inch and 1 1/2-inch, each, 35c smaller hairy white specimens. **25c**

CLEISTOCACTUS

A very popular genus containing some of our prettiest and most consistent flowering cacti. They are particularly adapted to growing in pots. Natives of Argentina.

Culture. A light, loamy soil and moderate waterings suits them. Give full sun or semi-shade.

SCARLET BUGLER. See page 28 for color illustration.

Cleistocactus anguineus. Very handsome dwarf growing species. Flowers brilliant scarlet. 4-inch to 6-inch. Each..... **35c**

Cleistocactus areolatus. Rare **\$1.00**

Cleistocactus Herzogianus. Rare **\$1.50**

Cleistocactus Morawetzianus. Rare..... **\$1.50**

Cleistocactus Roezlii. Rare **\$1.50**

Cleistocactus smaragdiflorus. Rare **\$1.00**

Cleistocactus tominensis. Rare **\$1.50**

Cleistocactus tupizensis. Rare, small..... **35c**

CEREUS

Most of the cacti formerly put in this genus by botanists have been removed in recent years to new genera listed in this catalog. The true *Cereus* listed below are quite beautiful.

Cereus aethiops. A very handsome species with dark purplish pruinose stems. Very spiny. Flowers white. Each **35c**

Cereus azureus. This handsome plant has light blue stems and many white blossoms. Very pretty **25c**



SNAKE CACTUS

Nyctocereus serpentinus

Beautiful fluted stems, thickly starred with red and grey spines. Very easily grown and one of the most pleasing. With me it is always a prime favorite either in flower or for its handsome, graceful columns. Deliciously fragrant blossoms! Full sun or semi-shade with moderate waterings. 10-inch and 12-inch, **25c** 50c; 6-inch and 8-inch, 35c; small.....

MOON CACTI

ERIOCEREUS

Great favorites with their profusion of snowy-white blossoms and attractive crimson fruits. Kept in 5-inch to 6-inch pots and well fed during their summer growth, they rarely fail to flower. They will stand the full summer sun.

ERIOCEREUS BONPLANDII. See illustration, page 25.

Eriocereus Guelichii. A magnificent flowering variety. A big plant is a tremendous sight when in blossom. Each **35c**

Eriocereus Jusbertii. Large, graceful snowy blossoms. Each **35c**

Eriocereus Martinii. See page 28.

Eriocereus pomanensis. Each **50c**

ERIOCEREUS REGELII. Pink Moon Cactus. Charming pink blossoms! Beautiful!..... **35c**

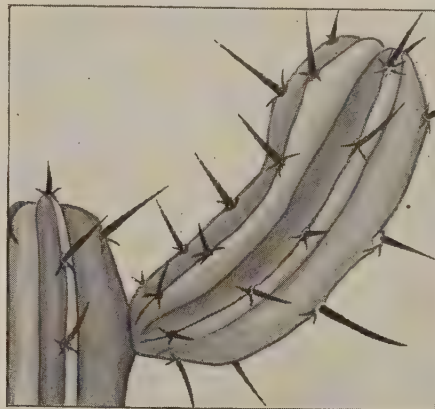
ERIOCEREUS TORTUOSUS. A very spiny variety with handsome ruffled flowers. Ea..... **35c**

MYRTILLOCACTUS

A fine Mexican genus of Cacti with a strongly lateral mode of branching. Young plants almost spineless. Very easy to grow. Like sun and moderate waterings.

Blue Myrtle Cactus. See below.

Myrtillocactus Schenckii. A fine form with pale green stems. A fine specimen. **50c** and **35c**



BLUE MYRTLE CACTUS

Myrtillocactus geometrizans

A lovely blue stemmed cactus, columnar and almost spineless when young. Branched with short, heavy spines when old. White myrtle-like flowers followed by red berries. In the winter the plants often turn a rich violet purple color which is most attractive. Large, 7-inch and 8-inch, **50c**; 5-inch and 6-inch, **35c**; 2-inch and 3-inch colorful plants..... **25c**

HARDWOOD CACTUS CHARCOAL

Useful in keeping soils sweet and aerated. Very helpful in heavy soils. Fine for succulents. Full directions for use. **35c**



A. W. JOHNSON RATES OUR CACTI TOPS

Received the cacti in fine shape. They are so much fresher and have so many more roots than plants I have bought before. Thanks very much for the free plant included with my order.

A. W. JOHNSON,
Topeka, Kansas.



BRAZILIAN ROCK CACTUS

Monvillea Cavendishii

A thoroughly worthwhile cactus for those who like flowers. Blooms with amazing consistency throughout the summer months. Flowers are followed by 2-inch oval fruits, crimson in color and very ornamental, as well as good to eat. Rich loamy soil, moderate waterings, sun or shade. Large, 10-inch flowering size, **50c**; smaller, 6-inch and 7-inch, **35c**; nice plants..... **25c**



A CACTUS WINDOW GARDEN

"I enjoy receiving orders from you, as the plants are all so healthy and fresh looking and do so well after they are planted. This is my fourth order. Thanks for the free plants and courteous service."

MRS. RUTH FINKLE,
Upper Sandusky, Ohio.

CACTI FOR THE AMATEUR

To really enjoy a hobby one should have a guide to learn what can be done and how to do it. This is the best plain speaking book for the beginner. It tells how to grow your plants, how to water, the soils to use, how to shade, spray, graft, make cuttings, etc. 110 colored pictures, 150 cactus photos. **\$2.10**

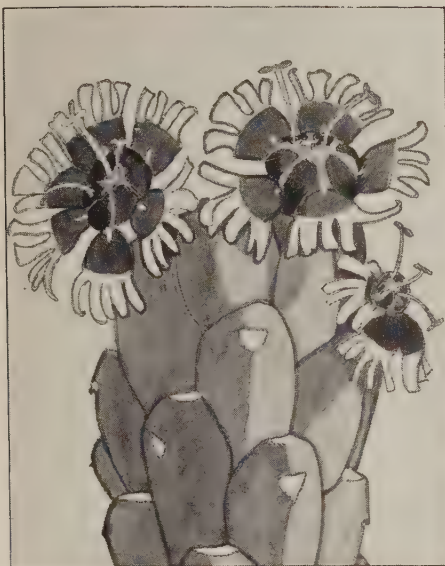
Cloth bound. Postpaid

DAYAMS TREE CACTUS

Piptanthocereus Dayami

One of the best fruiting and flowering kinds. Bears big tomato-like half-pound fruits, quite fragrant and delicious. No spines. 10-inch, **75c**; 5-inch and 6-inch, **35c**; smaller, 2-inch and 3-inch..... **25c**





SNAKE'S HEAD EUPHORBIA

Euphorbia caput medusae

A handsome species, particularly when in flower in early spring. The flowers are borne 10 to 15 in a head, completely covering the tips. The plants become much branched, making grand specimens. It is a native of Africa and likes a sunny situation to flower best. Sandy soil, with moderate waterings. Nice specimens, 50c; smaller flowering sizes, 4-inch and 6-inch **35c**

HYLOCEREUS

NIGHT BLOOMING CEREI

A glorious group of night flowering cacti. The huge, snow-white flowers open in the evening, closing in the morning. Native to the jungles of Central America. Their stems are three-winged.

Culture. They like a very sandy soil with some leafmold or Cactus Compost and when growing feedings with Cactus Food. Water generously and a partial shade. They enjoy being outdoors in the rain in summer.

Honolulu Queen. *Hylocereus undatus*. This well known variety has huge 12-inch blossoms, white inside, golden yellow without. Magnificent in bloom. Likes heat and moisture **75c**

Hylocereus calcaratus. Large white blossoms. Rare **75c**

Hylocereus costaricensis. White stems. Flowers white with red edgings to outer sepals. Handsome! **75c**

Hylocereus extensis. Much branched. Stems slender, spiny. Flowers rose-red. Handsome. **35c**

Hylocereus Lemairei. White stems. Flowers white with yellow outer petals. Sepals laced with crimson **75c**

Hylocereus napoleonis. A very handsome flowered species. Flowers pale, creamy yellow, very large and graceful. Splendid **50c**

Hylocereus ocampanis. White stems. Flowers huge, white, yellow and laced with red on sepals. Glorious **75c**

Hylocereus polyrhizus. Stems blotched white and green. A vigorous grower. Handsome blossoms. Outer sepals orange-red, inner yellow grading to white. Fragrant **75c**

DEAMIA

Similar to *Hylocereus* in habit and culture.

Deamia testudo. Large white flowers. Stems white. Flowers diurnal **\$1.00**

PACHYCEREUS

Giant Cereus

Huge branching plants sometimes 40 feet tall and weighing many tons! Spectacular sights in Mexico and Lower California.

Pachycereus Pringlei. A pretty plant with columnar stems in small plants. Nice 4-inch specimens, **40c**; larger, 5-inch to 6-inch **75c**



GYMNANTHOCEREUS

A recently described genus somewhat like *Borziacactus*, but bearing naked pseudos and fruits with the rudiments of a setaceous pseudoccephalum.

Gymnanthocereus chlorocarpus. This extremely rare and recently imported cactus forms a pretty columnar plant. In the wilds of Peru it may reach 10 feet to 12 feet in height. Flowers white, fruit smooth, green. 2-inch to 3-inch. Each **35c**

MACHAEROCEREUS

A rare genus from Lower California with creeping or decumbent, spiny stems. Grows near the coast.

Machaerocereus eruca. Creeping Devil Cactus. A creeping species rooting along the underside as it grows. Spines broad, heavy. In the wild the plant always faces the sea **\$1**



INDIAN WAR BONNETS

Echinocereus mojavensis

A beautiful cactus native to the desert valleys and mesas of California, usually at 4,000 feet to 5,000 feet, where snow lies on the ground in winter. Flowers bright red, freely produced on the clustered stems. Flowering size, 3-inch and 5-inch, only **50c**



SILVER TORCH

Cleistocactus Strausii

This lovely *Cereus* has clustered, slender columns clothed with glossy, silvery, soft spines. Quantities of brilliant red tubular blossoms cluster thickly on the taller stems. Very easy to grow. Fine 8-inch and 10-inch show specimens from mature tip cuttings, **25c** \$1.00; smaller, 50c and **25c**

A FINE CACTUS COLLECTION

"Last year my small son and I won both first and second prizes at the County Fair. Our plants are not all specimens, but we are proud of even the tiniest one! Your plants have such nice roots we have lost none and we keep them growing by using your Cactus Food."

MRS. BERNICE CHAPLAIN,
Beaufort, North Carolina.



WHITE TORCH CACTUS

Trichocereus Spachianus

Beautiful, popular and exceedingly easy to grow. A fine plant for the window garden with glorious 6-inch snow-white blossoms. Plants branch only from the base, forming many-headed clumps. Will stand 10 degrees above zero. Nice plants, 4-inch and 5-inch, **35c**; 2-inch and 3-inch **25c**

SELENICEREUS

QUEENS OF THE NIGHT

These spectacular beauties have the largest flowers in the cactus family, some reaching more than 14 inches across. They climb in the trees in the warm jungles of Central America, opening their glorious flowers along with their fellow epiphytes, the Orchids.

Culture. They like a porous sandy loam with some leafmold, and to be well watered during the summer growing period. Partial shade, and if possible put them out in the summer rains.

Princess of the Night. See page 24.

Selenicereus Donkelaari. A slender stemmed species, small growth. Stems woolly. Rare **75c**

Selenicereus grandiflorus var. armillatus. A spiny variety of lusty growth with handsome flowers **75c**

Selenicereus grandiflorus var. Tellii. This fine variety bears beautiful, fragrant, frilled blossoms **75c**

Selenicereus hamataus. Snowy blossoms **75c**

Selenicereus hondurensis. Slender, woolly stems **75c**

Selenicereus Maxonii. A particularly fine flower with wide ruffled petals and very fragrant. Stems spiny **75c**

Selenicereus Murillii. Long, slender, striped stems bearing many aerial roots, sometimes 2 feet long. Flower with slender tube. White **75c**

Selenicereus Urbanianus. Very handsome species with spiny stems and beautiful blossoms **75c**

Selenicereus Werklei. Slender spineless stems and many aerial roots **50c**

Selenicereus vagans. Medium grower **75c**

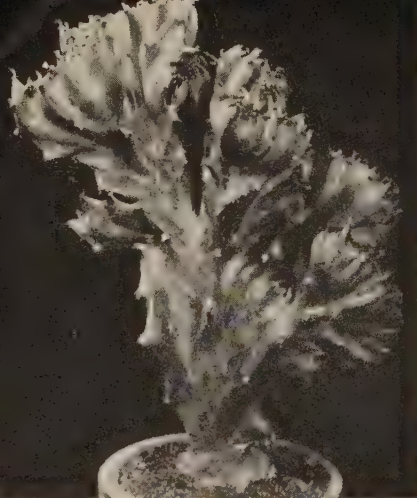
PERUVIAN OLD MAN

Epostoa lanata

Snowy white cotton puffs. A dainty elegant little plant. Grows very easily and quickly. I have a fine batch of clean white plants. Native to the high mountains of Peru.

Nice cottony plants, **35c** and **25c**

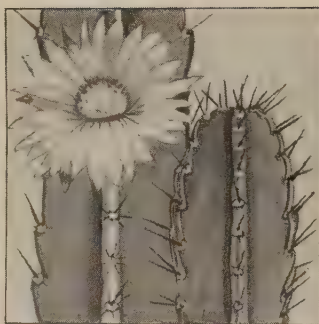




ELK HORN EUPHORBIA

Euphorbia lactea cristata

A rare and attractive cristate plant. All collectors treasure crests for their beauty and curious growth. Green and white spotted crests. A real collectors item. Only a few plants. Fine crested specimens, 3-inch to 4-inch, \$1.50; 2½-inch and 3-inch..... **\$1.00**



CEREUS MILESSIMUS

A pretty tree cactus with many snowy blossoms tinged with red on the sepals. Fruits large, edible. Give them a rich loam, moderate water and sun or shade. Each, 5-in. and 6-in., 35c; 2-in. and 4-in..... **25c**

CEREUS ALACRIPORTANUS

A tall tree cactus, fine for specimens. Grows rapidly and flowers very freely, the blossoms like white Easter Lilies. Fruits red, delicious. Larger, 8-in. and 10-in., 75c; medium, 5-in and 6-in., 35c; smaller..... **25c**



FLOWERING TREE CEREUS

Cereus goniianthus

A fine specimen plant and pretty even in the smallest sizes. Everyone enjoys the Tree Cereus because of their fine, half pound, edible fruits, which are delicious when chilled in the ice box, and the great profusion of flowers which they produce, up to 5,000—Yes, by count! Large 10-inch seedlings, 75c; 5-inch and 6-inch, 35c; nice 2-inch and 3-inch, perfect plants..... **25c**



WOOLLY TORCH

Cephalocereus Palmeri

A handsome species, one of the best and most easily grown. Begins to get plenty of wispy white hair in the areoles when less than 6 inches tall. The plant body becomes a beautiful powdery blue. Blue tip cuttings with hair, rooted, \$1.50; 6-inch and 7-inch, 75c; 5-inch and 6-inch, 50c; 2-inch and 3-inch..... **35c**



OLD MAN OF THE ANDES

Oreocereus Celsianus

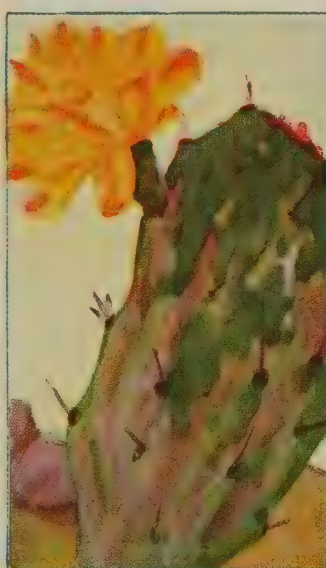
The Oreocereus are among our very choice plants. They bear long, wispy, white hair, and brown, stout spines. Growing high in the Andes among the rocks on barren slopes. They may reach a height of 3 feet. Nice plants..... **50c**



SCARLET BUGLER

Cleistocactus Baumannii

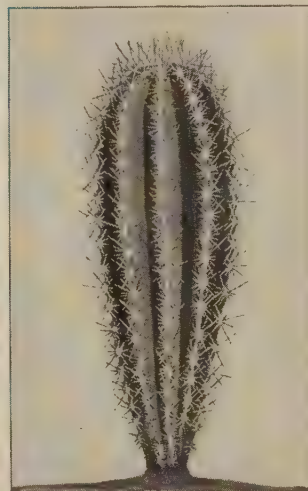
Free flowering everywhere! A beauty everyone should covet. The scarlet tubular flowers are borne all summer long. Grows quickly in sun or shade. 6-inch and 7-inch, 35c; smaller..... **22c**



JOSEPH'S COAT

Opuntia monacantha variegata

Handsomely variegated with white, yellow, green and pink, this great favorite is easy to grow. Likes a sandy soil and partial shade. Moderate water. Even the seed pods are variegated. Each..... **25c**



BRAZILIAN TORCH CACTUS

Cephalocereus arrabidae

A pretty species delighting in half shade. The deep green stems with eight ribs gemmed with white areoles set with soft, shining, tawny spines. A quick grower. Nice plants..... **35c**



WERKLEOCEREUS

A climbing genus from Central America with pretty flowers opening at night. The stems, which cling to the tree trunks by aerial roots, are three-angled with few spines.

Werkleocereus glaber. Rather slender pale green stems, bearing pretty white blossoms. A quick and easy grower. Rare. Each..... **50c**

Werkleocereus Tonduzii. Stout stems dark green in color. Bears handsome white blossoms in profusion. Very rare. Each..... **\$1.00**

MEDIOCACTUS

A lusty climber inhabiting tall trees in the jungles of Central America.

Mediocactus coccineus. A very nice plant to trail about a window frame. Nice white flowers..... **40c**

At Left

MOON CEREUS

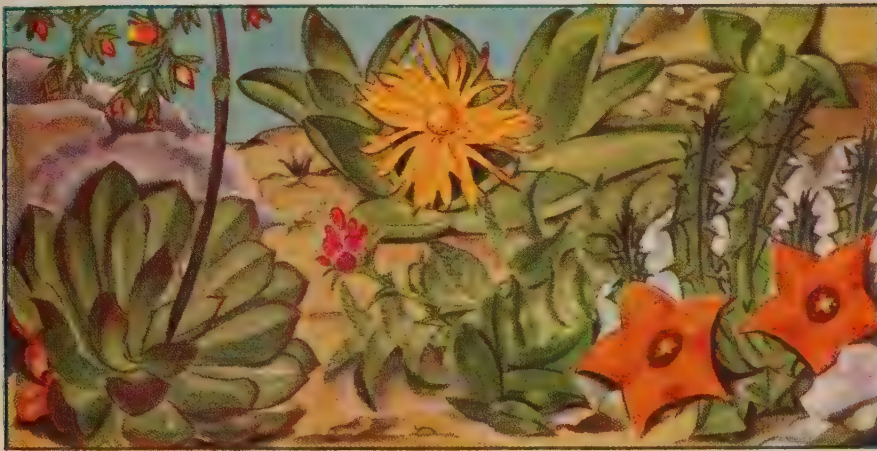
Eriocereus Martinii

Everyone enjoys this splendid flowering plant. Grows anywhere. The blossoms are followed by crimson fruits that last for months. Enjoys a rich sandy loam soil, moderate to plenty of water and full sun or semi-shade. While growing in summer feed with Cactus Food. 10-inch flowering stems, 50c; smaller, 5-inch and 6-inch, 35c; young plants..... **25c**

ONE OF OUR CACTUS HOUSES

In our greenhouses are scores of thousands of cacti and succulents. Here the tiny seedlings are cared for the first years of their life. As soon as they reach adequate size we put them outside to develop the hardiness our plants are noted for. Fanciers will enjoy visiting our greenhouses.





ECHEVERIA NOBILIS

The Mexican Echeverias like partial shade and thrive in the window garden. This one has white leaves, often tipped with red. Very pretty. Each.....

25c

TONGUE LEAF (Top)

Curious tongue shaped leaves and bright yellow blossoms. From Africa.....

20c

PUSSY EARS

The green leaves are covered with white hairs. Flower, bright purple.....

25c

LAMBS TONGUE (Top)

Thick grey-white leaves with minute spots. Flowers bright yellow.....

20c

AMBER STARS

Like the Starfish Flowers, with charming colored bells. Each.....

25c

STAR COLLECTION P6. FIVE PRETTY SUCCULENTS AS ABOVE 95c

TRICHOCEREUS

TORCH CACTI

A splendid genus, practically all of whom have glorious flowers. Among them are many of our garden favorites that experienced collectors place among their choicest specimens. They vary from small clustered species to giants 25 feet tall. They are found on the warm desert slopes of South America.

Culture. Very easy to grow, these vigorous rooting plants thrive everywhere. Give them sandy loam soil, moderate waterings and full sun or partial shade.

Trichocereus Bridgesii. An erect growing species with blue-grey stems and few long, stiff spines. The stems branch from the base, forming clusters. Very fine. Cuttings, 10-inch, \$1.00; 6-inch to 8-inch, each.....

75c

Trichocereus candicans. A fine species forming rambling clusters, the stems with stout spines and bearing very large, fragrant, snowy-white flowers. Easy to grow, 4-inch to 6-inch, 50c; 3-inch.....

35c

Trichocereus candicans robustior. A vigorous variety with stout spines. Fine. 2-inch to 3-inch, 50c; smaller.....

35c

Trichocereus chiloensis. A rare, tall, heavy spined species.....

75c

Trichocereus cuscoensis.....

\$1.00

Trichocereus coquimbani.....

\$1.00

Trichocereus fascicularis.....

\$1.00

TRICHOCEREUS HUASCHA. 6-inch golden yellow blossoms. 3-inch to 5-inch, 75c; smaller.....

35c

TRICHOCEREUS HUASCHA RUBRA. Rich red! 3-inch.....

75c

Trichocereus hybrids. Fine hybrids. 1-inch to 2-inch.....

25c

Trichocereus lamprochlorus. A beauty with large blossoms.....

35c

Trichocereus Schafferi. Gigantic white blossoms. Plant small with very short spines. 4-inch to 6-inch, 50c; nice plants.....

25c



CHRISTMAS CACTUS

Crab's Claw Cactus

The beautiful Fuschia-like blossoms are seen from December till March, when other flowers are scarcest. Easy to grow in light sandy soil, with moderate waterings and shade. A native of the cool Oregon Mts. of Brazil, where it grows up in the trees the Popcorn Cacti. Nice plants, 3-inch and 4-inch, 50c; 2-inch and 3-inch.....

35c

Trichocereus litoralis. Tall. Cuttings.....

\$1.00

Trichocereus macrogonus. Tall. Cuttings.....

\$1.00

Trichocereus Pachanoi. Tall. Cuttings.....

\$1.00

Trichocereus santiaguensis. Fine.....

35c and 25c

Trichocereus thelegonus. Fine. Free blooming.....

25c

Trichocereus Knuthianus. Tall. Cuttings.....

\$1.00

For other Trichocerei see page 34.



RAINBOW CACTUS

Echinocereus melanocentrus

One of the choicest dwarf blooming cacti. Sure to flower and with a long blooming period. Often flower when hardly an inch tall, with blossoms larger than the plants that bear them. Likes a rich soil, but it should be sandy for good drainage. Moderate waterings and sun or semi-shade. Flowering size, 35c; small.....

25c

LEPTOCEREUS

A rare scandent genus from West Indies. Scarce.

Leptocereus Leonii. Rare.....

50c

Leptocereus Grantianus. Rare.....

50c

Leptocereus quadricostatus. Rare.....

50c

RATHBUNIA

Tall, scandent plants with heavily armed branches and red blossoms. Native to western Mexico. Sandy soil with moderate waterings.

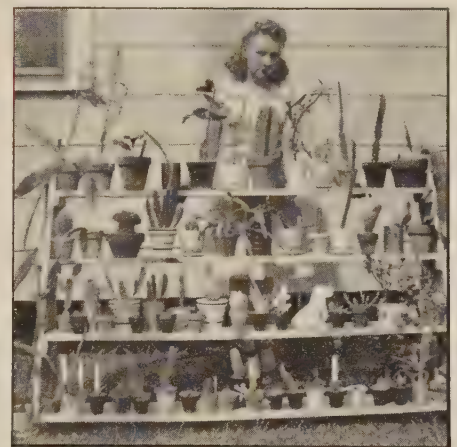
Rathbunia calamosensis. Tall plant with branches many feet long. Tubular red blossoms.....

50c

EULYCHNIA SPINIBARBIS

A rare, very spiny, columnar stemmed cactus from the dry coastal deserts of Chile. The stems branch at the base, forming clumps. The scarlet blossoms are borne at the apices. Nice 6-in.....

50c



WELL CROWN CACTI

The very nice collection of Mrs. Joseph Oszusick, Hattiesburg, Miss. Eighty species represented.



STAR CACTUS

Handsome golden blossoms. Plant spotted with white dots. Very choice.....

25c



STONE FACE

These Lithops closely resemble beautifully marked pebbles. Very rare. Small.....

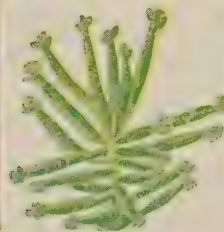
25c



OX TONGUE

Handsome succulents with spotted leaves. Tall spikes of pink blossoms.....

25c



AIR PLANT

Grows young plants on the tips of its leaves! Handsome blossoms.....

20c



DUMPLING CACTUS

Fine for small gardens, for it bears many red blossoms when quite young. Nice.....

25c

BOWL COLLECTION P7. FIVE LOVELY PLANTS FOR A DISH GARDEN..... 95c

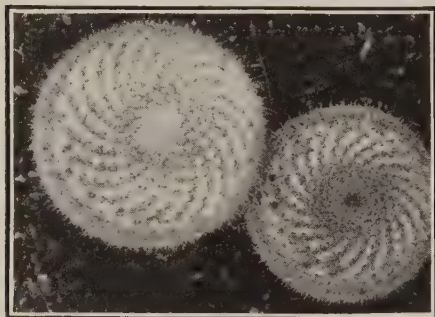
Mamillarias OR PINCUSHION CACTI



GNOMES PINCUSHION

Mamillaria decipiens

A very satisfactory variety that flowers when quite small and produces a great number of baby plants around the base. Very easy to grow and flower. The young plants may be detached when they reach a half inch in diameter. Large 2-inch and 3-inch specimen flowering clusters, 75c; nice plants, 35c and..... **25c**



DIADEM CACTUS

Mamillaria Werdermanniana

Don't fail to have this lovely, winter flowering cactus. The bright red flowers are a beautiful crown nestling among the white hair and spines. They flower in late winter and always attract the greatest attention among our visitors. We have an especially fine lot of thrifty 3-year-old plants, 50c, 35c and..... **25c**

Mamillaria angularis. A handsome species with much white wool in the flowering axils. Large red flowers. 3½-inch to 4-inch clusters, \$1.00; 3-inch plants, 75c; 2-inch plants..... **50c**

Mamillaria angularis longiseta, 2-in..... **75c**

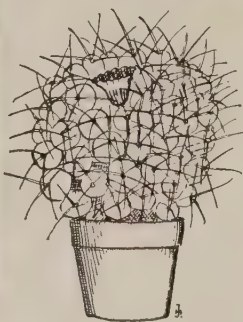
Mamillaria arida. Lower California..... **25c**

Mamillaria balsasenses **75c**

RED PINCUSHION

Mamillaria phaeacantha (Natural Size)

Grows rapidly and bears its charming ruby red blossoms when quite small. Flowers several times during the summer. A fine lot of plants. Large flowering, 3-inch and 4-inch, \$1.00; small flowering, 1½-inch and 2-inch, 35c; smaller..... **25c**



BEAUTIFUL MAMILLARIAS

These lovely cacti are particularly fine for the person who has but a limited space. Even when fully mature the plants are not too large and



they all grow readily even for the beginner. Every garden should have a representative collection such as these offered below.

GOLDEN STAR COLLECTION P-8

8 Lovely Pincushions, including Powder Puff Red Pincushion, etc. **\$1.50**

SELECT PINCUSHION COLLECTION P-9

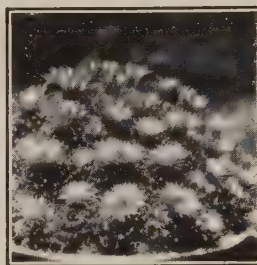
20 Lovely varieties, enough for three nice 6-inch pans. Includes our choice varieties..... **\$3.00**



OLD LADY CACTUS

Mamillaria Hahniana

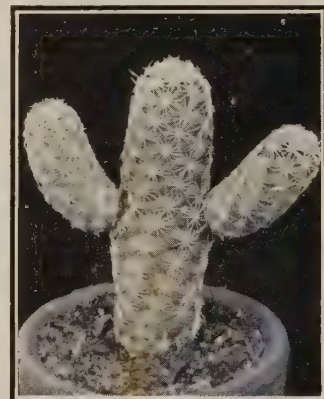
One of the loveliest of all with long, snow-white hair which increases in length and thickness with age. Large mature heads, \$1.50; smaller, 1½-inch, 75c; nice hairy plants, 1¼-inch and 1½-inch..... **50c**



BUTTER PINCUSHION

Dolichothele sphaerica

This pretty, large-flowered group of pincushions bear shining yellow blossoms. The soft green nipples are quite long if detached form young plants! Fine flowering size specimens, each..... **35c**



JELLY BEANS

Mamillaria fragilis minima

A cute new variety of the Thimble Cactus, with finer spines and many branches, each one of which will form a new plant. You will like it. Branched..... **22c**



BIRDS NEST

Mamillaria camptotricha

Feathery yellow spines that are papery, soft and harmless. The plant is much given to clustering, young plants pushing up from the sides. Flowers pale yellow. Likes moisture. Large flowering clusters, 3-inch and 4-inch, \$1.00; 2-inch, 50c; 1½-inch, 35c; nice plants..... **22c**

MORNING STAR CACTUS

Mamillaria pygmaea

Blooms when very small. Easy to grow and a general favorite. Pretty scarlet pods. Everyone likes it. Moderate watering. Sun or shade. Each, 35c; nice flowering plants **23c**



MAMILLARIA HOFFMANNIANA

This charming variety is a great favorite of mine. With age the crown becomes hoary white and during summer a continuing circle of red flowers push out through the soft white wool. Generous treatment and sun. 3-in. & 4-in., \$1.00; smaller specimens, 35c and..... **25c**

Mamillaria bocasana. See page 32.

Mamillaria Brandegeei. Rare. Small **35c**

MAMILLARIA MARTINEZII

A handsome species with straw-yellow spines and very neat spirals of short nipples, each with a star of radial spines and perfect central. The flowers are dark crimson. Sandy loam soil and moderate waterings, full sun. 2½-in. and 3-in., flowering specimens, \$1.00; fine plants..... **40c**

Mamillaria calacantha. A handsome species with red blossoms. Nice specimens. 2-inch to 3-inch..... **50c and 75c**

Mamillaria Carrettii. Rare. 1-inch to 1¼-inch **75c**

Culture of Mamillarias

MAMILLARIAS are found principally in Mexico, though many are native to the U. S. They extend south through Central America to Colombia and Venezuela, but become progressively less numerous below Tejuantepec. Generally they are mountain species inhabiting the semi-desert ranges. Some, however, are found right down on the salty sand of the beach.

Though their habitats differ very widely, yet in cultivation they all seem to thrive under very much the same treatment. In general those with white spines seem to come from the driest regions and often from limestone country. For this reason we recommend a quite porous soil with powdered eggshells or old lime mortar from brick walls or plaster. However, all varieties like the lime. Our Soil Conditioner is useful and our Cactus Compost needs only the addition of loam and sand to make a perfect Cactus soil. Unless you have plenty of sclerophyllous leafmold you will find it exceedingly economical, as one 75c package when mixed will make 6 to 10 quarts of compost.

They will grow well in almost any soil. For the expert who likes to take pains we recommend 1 part gritty sand, 1 part rich but sandy loam, 1 part leafmold with a good sprinkling of powdered eggshells or old lime mortar. Some like to add either bricks crushed to the size of peas or charcoal with the intention of keeping the soil open and "sweet." Their growing season is from April till fall, when they may be kept fairly moist, particularly if they have plenty of light. During the winter less moisture is needed. If you have a porch or garden where they may be placed outdoors during the summer they will show their appreciation by vigorous, matured growth. Many varieties are winter flowering. They all enjoy an airy, light position in the windows.



Mamillaria Pringlei

Lovely shining yellow globes! Bright ruby red blossoms, a jewel. Sandy loam, moderate waterings. Large, \$1.00; 50c

Mamillaria crocidata

Very pretty with numerous, close packed nipples. Ruby blossoms in crown of white wool. Moderate waterings. Nice plants. 25c

Mamillaria carnea. A fine vigorous specimen with nice carmine pink blossoms. Flowering specimens, 3-inch, 75c; 2-inch, 50c

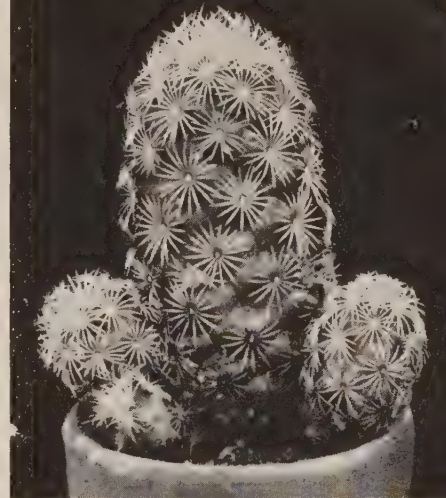
Mamillaria carnea var rosea. Vigorous growing plants. Nice flowers, 1-inch, 25c

Mamillaria centricirrhosa rosea. Nice 2-inch to 3-inch specimens of this fine variety, \$1.00; smaller 35c

Mamillaria chinocephala. A beautiful white spined species of dwarf, caespitose growth. Flowers crimson. 2-inch to 3-inch flowering, \$1

Mamillaria compressa. I have some very fine specimens of this grand species. 2-inch to 3-inch, nice heads, 50c; 3-inch to 3½-inch, 75c; heads beginning to cluster, \$1.00; clusters, each \$1.50, \$2.00, \$2.50

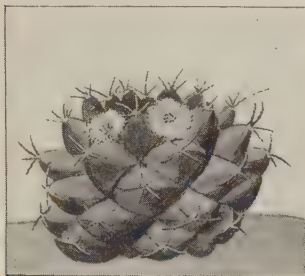
Mamillaria crucigera 75c



GOLDEN STARS

Mamillaria elongata

A lovely, easily grown species that everyone should have. Each nipple tipped with a shining golden yellow star. Young plants are soon formed in abundance about the base, quickly making valuable clusters. A plant every beginner succeeds with. When mature it may be 6 inches tall and have 100 arms. The photo well shows its branching habit and neat spiraling star clusters. Sandy soil and partial shade. Clusters, 7 to 12 heads, 50c; 3 to 5 heads, 35c; fine plants beginning to branch, 22c



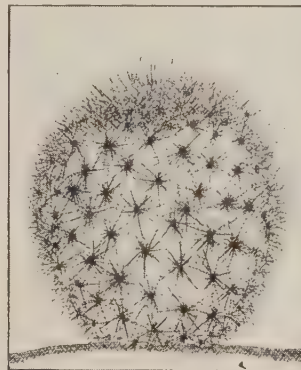
MAMILLARIA MAGNIMAMMA

A popular quick growing variety with pale yellow flowers and curving spines. Nice large plants, 35c and 25c



MAMILLARIA KARWINSKIANA

A splendid species with dichotomously branching, deep green heads and cream colored flowers with a red line down each petal. Club shaped scarlet berries. Easy to grow. Clusters, 4 heads, \$1.25; nice 1-inch plants, 25c



MAMILLARIA DEALBATA

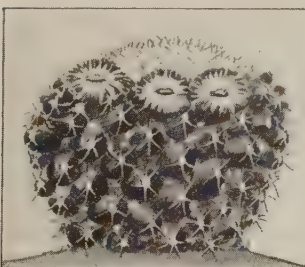
A handsome form of *M. Parkinsonii*, but with finer spines. Pure white spines and crimson blossoms in April. A choice specimen plant. Likes a sunny position with moderate waterings. Fine 2½-inch and 3-inch flowering, 75c; 2-in., 50c; nice plants, 35c



GRAPE CACTUS

Mamillaria multiceps

This dainty little cactus bears an endless number of "pups," each one of which will grow. Clusters seldom exceed 2 inches. Very easy to grow. Sun or partial shade, moderate waterings. Many cream colored blossoms in spring. Clusters, 20c



MAMILLARIA CONFUSA

This very pretty and variable species grows freely and bears white to cream blossoms. 35c and 25c

Mamillaria densispina. An outstanding variety with innumerable bright yellow spines. Very choice plant 50c

MAMILLARIA DURISPINA. A vigorous growing species with stout spines tipped black. Ruby red blossoms, 2-inch, 50c; nice flowering size, 35c; fine plants 25c

MAMILLARIA ELEGANS. Silver Pincushion. A lovely silvery white spined species bearing dark pink blossoms in late spring. One of the choicest specimens. Fine flowering plants, 2-inch to 3-inch, 75c; smaller flowering 50c

Mamillaria elegans Schmollii. A variety branching very freely. 2-inch to 3-inch flowering, 75c

Mamillaria flavovirens. Quite rare, 1-inch to 1½-inch 40c



Mamillaria pseudocrucigera

A lovely plant with pure white, harmless spines and crowned with pink blossoms. 2-inch and 2½-inch specimens, 75c; 1-inch and 1½-inch, 40c



MAMILLARIA POLYTHELE

A popular tall growing variety with few spines, often only two. Flowers carmine red, abundantly produced throughout the summer. 2-inch and 3-inch, 50c. Smaller flowering, 35c and 25c



STAR PINCUSHION

Coryphantha clava is remarkable with white spines stars tipping each nipple. Very easy to grow and flower. A choice plant. Large specimens, 5-inch and 6-inch, 75c; 3-inch and 4-inch, 50c. Smaller, 35c and 25c



MAMILLARIA WEISINGERI

A lovely specimen plant of neat appearance. A quick growing plant. From the white wool at the top appear the ruby red blossoms. 2½-inch and 3-inch specimens, 75c; Flowering 1½-in., 35c. 1-in., 25c



THIMBLE CACTUS
Mamillaria fragilis

Like the "Old woman who lived in a shoe" this little cactus has more children than she knows what to do with. Pure white, harmless spines and every little baby will quickly grow. Each..... **22c**



RUBY DUMPLING
Mamillaria tetracantha

A quick growing cactus with bright crimson flowers and, with maturity, a hoary white head. It has long been a favorite with sturdy growth and vigor. 1½-in. and 2-in., 35c; 1-in. and 1½-in., each..... **23c**



POWDER PUFF
Mamillaria bocasana

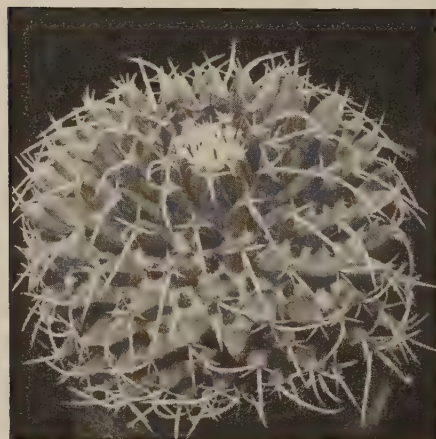
Like a bursting cotton boll this little plant is clothed with silky, snow-white hair instead of spines, though it bears one tiny hooked one on each slender nipple. Very easy to grow and attractive at all times. Nice plants, 1-in. and 1½-in., each..... **22c**



LADY FINGERS
Mamillaria elongata Schmollii

A dainty gem and so easy to grow. Each little plant is a bright mosaic of rich golden, harmless spines. Quickly forms fine specimens. Nice clusters, 35c each; single..... **25c**

MEXICAN JEWEL COLLECTION P10. THESE FOUR CHARMING PINCUSHIONS ONLY..... 80c



BIRDS FOOT PINCUSHION
Mamillaria centricirrha

A lusty species from the high table-lands of Mexico. Flowers cream striped with pink, March. A quick easy grower and free bloomer. Single heads reach 3 to 4 inches in diameter and with age form clusters. Large flowering, 3-inch and 4-inch, \$1.00; 2-inch, 50c; smaller, 1-inch..... **23c**

Mamillaria Galeotti. Galeotti's Pincushion. A very distinct and handsome variety with long curved amber spines and orange red blossoms. Handsome flowering specimens, 4-inch..... **\$1.00**

Mamillaria guerrerensis. A rare, tall growing, white spined species. Charming. Found only in Buzzard Canyon, Mexico. Large, 6-inch, \$1.00; 1-inch and 2-inch..... **25c**



OWL'S EYES
Mamillaria Parkinsonii

One of Mexico's finest contributions with heavy white spines and a circlet of blossoms followed by red berries. Clusters, 4 heads, \$1.00; 2 and 3 heads, 75c; 2½-inch and 3½-inch, 50c; nice 1½-inch..... **40c**

Mamillaria gigantea. A large growing species, 6-inch to 8-inch in diameter, with flattened top. 6-inch, \$1.25; 4-inch and 5-inch, \$1.00; 3-inch, 50c; 1½-inch and 2-inch, 35c; 1-inch..... **25c**

Mamillaria Hamilton Hoytae. A rare and brilliant carmine-red flowered species. Blooming size, 1½-inch and 2-inch..... **35c**

Mamillaria hidalgensis. Fine red blossoms. 3-inch, 50c; 2-inch, 35c; 1-inch and 1½-inch..... **25c**

Mamillaria Hoffmanianna. 1-inch and 1½-inch..... **25c**

Mamillaria Kunthii. Flowering specimen, 2½-inch and 3-inch..... **\$1.00**

Mamillaria Kunzeana. A fine Powder Puff variety with tiny hooked spines. Rare, 1-inch and 1½-inch..... **35c**



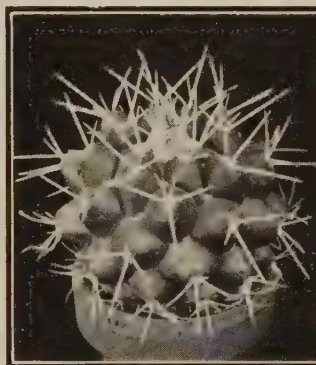
MAMILLARIA ZUCCARINIANA

A noble species with numerous short spined nipples. The top has some white wool and many carmine red flowers. Reaches a large size. Fine plants, 2-in., 35c; smaller, 1-in. and 1½-in..... **25c**



BEAVER TAIL
Opuntia basilaris

The loveliest of all California cacti. Glorious rose pink blossoms, each glistening petal-like crumpled Chinese silk. Sandy soil with moderate watering and full sun or partial shade. 2½-inch to 4-inch..... **25c**



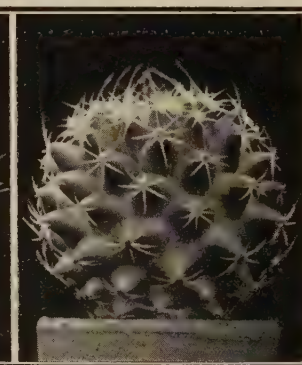
MOTHER OF HUNDREDS
Mamillaria compressa

A pretty variety with white spines and brilliant ruby-red blossoms imbedded in masses of white cotton, giving the plant the appearance of being covered with snow. It eventually branches forming close packed mounds with scores of heads! A winter bloomer. 2-inch specimens..... **50c**



VAUPEL'S PINCUSHION
Mamillaria Vaupelii

One of the prettiest of the smaller, richly colored Pincushions. Beautiful when the sun is shining through the glossy spines! The plants grow singly and may eventually reach 3 inches in diameter. Flowering specimens, 3-inch, 75c; smaller, 2-inch..... **50c**



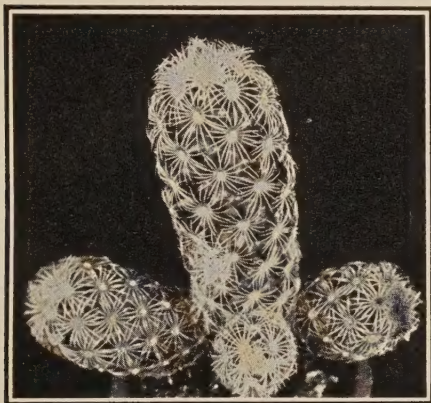
PINCUSHION
Mamillaria kewensis

A rapid growing species of which our customers write that it often reaches a foot in height in 3 or 4 years. Makes a prize specimen, for with age it assumes an entirely different aspect. Blooms profusely with crimson flowers, followed by pale pink berries. 1½-in. and 2-in., 35c; 2½-in. and 3-in., 50c; 1-in. and 1½-in..... **22c**



ROSE PINCUSHION
Mamillaria Zeilmanniana

A lovely flowering species and my favorite. Blossoms intense violet-red produced in profusion in May and June. Even the tiniest plant flowers. The flowers are quite the largest and open widely. Easily grown. Sandy loam. Moderate watering. Large clusters, 75c; smaller, 2-in. and 2½-in., 50c; 1-in. and 1½-in. flowering clusters. **35c**



LADY FINGERS
Mamillaria elongata tenuis

One of the daintiest of all with golden yellow stars tipping each nipple. Branches very freely, growing quickly into nice clusters. It is a dwarf variety, often producing 5 to 10 arms the first season. Nice clusters, 3 to 5 heads, 35c; 7 to 10 heads, 50c; single heads **25c**

Mamillaria Martinezii (albilanata). A lovely species with white to pale yellow spines and crimson blossoms. Very pretty. 2-in. and 3-in. flowering specimens, 75c; smaller. **35c** and **25c**

Mamillaria melanocentra. Long central spines tipped black. Large rose red flowers. Fine, 2-inch, 35c; 1-inch and 1½-inch. **25c**

Mamillaria microhelix. 2-in. and 3-in. **75c**

Mamillaria mystax. Fine! 3-inch, 75c; 2-inch, 50c; 1½-inch **35c**

Mamillaria nigra. 1-inch and 1½-inch. **25c**

Mamillaria occidentalis. Rare **50c**

Mamillaria Ochotereneae. Rare **75c**

Mamillaria Pettersonii. 3-inch **75c**

Mamillaria Pfeifferi **75c**

Mamillaria phymatothele. An interesting and rapid growing species from Mexico. Red flowers in summer. Plant tall **25c**

FEATHER CACTUS

This extraordinary plant (*Mamillaria plumosa*) bears feathers in place of spines. One of the handsomest plants I know, snowy white and covered with a soft, feathery fringe. You will have to see it to be convinced. Of the easiest culture. Fine plants, 1¼-inch and 1½-inch, each **60c**

Mamillaria polythele. A choice, quick growing species with fiery crimson blossoms. Very nice. 2-inch and 3-inch, **75c**; nice, 1½-inch, **35c**; 1-inch. **25c**

Mamillaria Pringlei columnaris. A lovely variety with handsome, bright yellow, curved spines. Very rare and choice, 1¼ and 1½-inch, each **50c**

Mamillaria pseudocrucigera. A newly discovered species with close set, very short, pure white spines. Handsome specimens. 2-inch, **50c**; smaller. **35c**

Mamillaria rhodantha chrysacantha. 2-inch. **40c**

Mamillaria rhodantha rubra. A very pretty variety. 3-inch **75c**

Mamillaria Sartorii. Handsome large red flowers in winter. 3-inch flowering **75c**

Mamillaria Schiediana. Rare. 1¼-inch and 1½-inch **50c**

Mamillaria sempervivi. 1-inch to 1½-inch. **50c**

Mamillaria Sheldonii. Rare with handsome pink flowers. Hook-spined. 2-inch and 3-inch. **50c**



CORAL CACTUS (Natural Size)

The Coral Cactus is one of the prettiest of all with its circlet of coral red berries and charming cream blossoms. The berries burst forth ripe and scarlet, taking only a day or so to appear, as they mature within the plant from the earlier blossoms. The plants grow readily and fruit profusely. Mature 2-inch to 3-inch full fruiting specimens, each **50c**



FISH HOOK PINCUSHION

An extremely free flowering little plant. *Mamillaria Wildii* is always a favorite. The spines are harmless, with one tiny hooked one tipping each nipple. Grows and flowers in sun or shade. Sandy soil and moderate waterings. Flowering specimens, 35c and **25c**

Mamillaria Solisii. Very rare from type locality. 1-inch and 2-inch, **35c**; 3-inch. **60c**

Mamillaria sonorensis Hiltonii. From type plants. Handsome violet red flowers. Flowering, 1½-inch, **35c**; 2-inch **50c**

Mamillaria spinosissima sanguinea. A glorious species. 1½-inch and 2-inch, **50c**; 2-inch and 2½-inch **75c**

Mamillaria Standleyi. 1½-in. and 2-in. **75c**

Mamillaria supertexta. New. 1¼-inch and 1½-inch **75c**

Mamillaria tetracantha. 1-in. and 1½-in. **35c**

Mamillaria trichacantha. 1¼-inch and 1½-inch **50c**



MAMILLARIA CELSIANA

An attractive species with short yellow spines and bright red flowers. With age it forms most beautiful large, many-headed clusters. Though it grows readily it is not a common plant, as seed is very scarce. This lovely variety thrives in sun or half-shade. 1-inch and 1½-inch **35c**

Mamillaria uncinata. Stout hooked spines. Cream flowers. 1-in., **25c**; 2-in. flowering. **40c**

Mamillaria Waltheri. A low, flat topped species, very freely bearing white blossoms. Flowering, 2-inch and 3-inch **50c**

Mamillaria Winteriana. Rare. 2-inch and 3-inch **75c**

Mamillaria Woodsii. Rare. 2-in. and 3-in. **75c**

Mamillaria Zahniana. Rare. 1-inch and 2-inch **60c**

Mamillaria Lesaunieri. Rare. 1-inch and 1½-inch **60c**

Mamillaria Lloydii. Rare. 1½-inch and 2-inch **35c**

Mamillaria longicoma. Cotton Cactus. **30c**

Mamillaria macrantha. 2-inch and 3-inch clusters **75c**



PEANUT CACTUS
Nice plants. **25c.**

PINCUSHION
Strange. **22c.**

BIRD'S NEST
Yellow spines. **22c.**

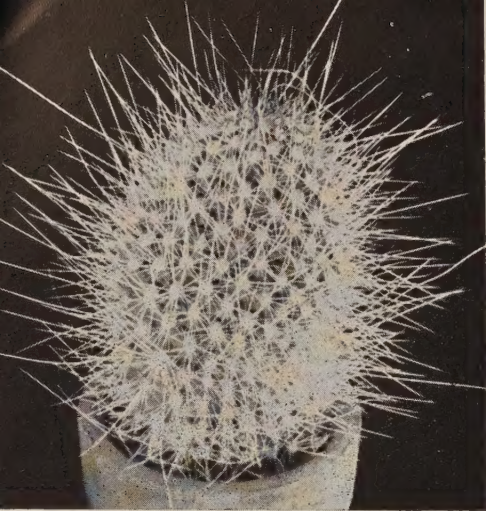
DRAGON FLOWER
Curious. **20c.**

XMAS C'EEER
Red Tipped. **20c.**

FLOWERING PINCUSHION
Handsome carmine bowers. **22c.**

CURIOSITY COLLECTION No. P11.

The above six plants. You will enjoy planting this attractive group in a pot or bowl for the breakfast nook. With every order is my leaflet, "The Culture of Cacti." All six plants **\$1.10**



GRIZZLY BEAR
Opuntia ursina

An old favorite which will be one of your prized specimens. Native to our California deserts, where its snowy masses look like grazing sheep. Grow it in almost pure sand, where its roots will luxuriate. Give it moderate waterings and a sunny location. Flowers yellow or pink. Nice specimens..... **25c**

ECHINOCEREUS

HEDGE HOG CEREI

The Echinocerei are amongst the most colorful of North American cacti and brighten our desert mountains from Montana to Central America. Nothing is more striking than their glorious shining blossoms in crimson, yellow, glowing purple, pink or orange, clustering among the rocks and chaparral of our desert mountains. The blossoms are often large, up to 5 inches across, and produced in greatest profusion. Some are solitary plants, others form closely clustered clumps.

Culture. They enjoy a sandy loam soil and moderate watering, giving more generously in late spring, their growing time. In winter keep on the dry side. They like plenty of light, particularly in late summer, to mature the flowering shoots.

Echinocereus Berlandieri. See page 12 for color cut. **E. pentalocephus.** See page 21 for color cut. **E. poselgerianus.** A more vigorous grower. Large, 35c. **Echinocereus Merkeri.** A large flowered species with lovely purple blossoms. Large, 6-in. to 8-in., 50c; smaller, 25c

Echinocereus "pabillo." A new as yet unnamed species forming compact clusters with purple blossoms 25c and 35c

Echinocereus Fitchii. Solitary stems, 3-inch to 4-inch beautifully fringed blossoms of warm rich pink. Splendid flowering 35c

Echinocereus Knippelianus. Rare, 40c. **E. leptanthus,** 40c. **E. luteus,** 40c. **E. octacanthus.** Red, 35c. **E. paucispinus,** 40c. **E. pentalocephus,** 35c. **E. polyacanthus,** 40c. **E. Poselgerianus,** 35c; 6-in. to 7-in., 50c. **E. Reichenbachii,** 35c. **E. Ritteri,** 40c. **E. Salmianus,** 40c. **E. sarissophorus,** 40c. **E. Scheerii,** 35c.



VARIOUS CACTI and Succulents

We wish we could put all our plants into our catalog, but this is impossible due to lack of space. We are continually receiving new plants, many of sterling worth, others of interest to the collectors of certain groups or genera. After we receive a plant it must be tested and propagated and oftentimes this is a lengthy process. We hope for the use of the collector to have supplementary lists of new, rare or slow to propagate items.



ECHINOCEREUS DUBIUS

Handsome purple blossoms of good size opening in June. Plants closely clustered with stems to 6 inches. A good grower liking generous treatment. Clusters, 50c; smaller **35c**



SPOTTED STARLETS

A pretty dwarf plant, *Piaranthus foetidus*, related to the Starfish Flowers, with erect star-like, spotted flowers. Small egg-shaped stems of coppery green. Very free flowering. Clusters, each **35c**



AFRICAN TREE ALOE

An extremely popular plant soon making a highly attractive specimen. Grows very easily with moderate waterings and sun or shade. Larger plants, 6-inch, 35c; **20c** handsome specimens.....

FANCIERS' COLLECTIONS

THE COMPLETE WINDOW GARDEN COLLECTION P12

20 FINE PLANTS

A fine selection to start your window garden or for planting outdoors during the summer. Contains representatives of all the main groups of both Cacti and Succulents. **\$3.00** Correctly labeled



WHITE CUP CACTUS

Trichocereus Schafferi

Bears quite enormous snow-white blossoms tinged pink on the outer petals. The sparkling flowers are shaped like Easter Lilies and may be 10 inches long. The succulent, pale green stems bear many ridges and short, harmless spines. Branching freely from the base they are very attractive. Grow easily, liking a rich loam and moderate watering. **25c** Nice specimens, 50c, 35c and

At Right

ANGEL TRUMPETS

Echinopsis spiniflora

A very free flowering plant with white tubular blossoms and and red fruits. Plant body is a beautiful pale, emerald green with dark spines. Give it generous treatment and semi-shade. A recent introduction from Argentina and quite distinct. Flowering specimens **75c; 2-inch flowering, 50c; smaller..... 35c**

At Left

COCKLEBURS

Huernia Pillansii (Natural Size)

One of the choicest and rarest of the Dragon Flowers. A fine pot plant forming compact little clusters, the stems with soft prickles. Flowers rust-red flecked with minute light specks. Grows during the warm summer months. Pot in quite sandy loam, watering moderately when dry. Likes plenty of light. You will want this. **50c** Large clusters, \$1.00; smaller.....

DE LUXE GARDEN COLLECTION P14

40 choice plants, all correctly labelled. A fine selection of the beautiful and odd. Living Rocks, Easter Lily Cacti, Dragon Flowers, Opuntias, Pin-cushion Cacti, Echeverias, Old Men, Torch Cacti, Cereus, Barrel Cacti, Parodias, etc..... **\$5.00**

FANCIER'S ASSORTMENT COLLECTION P15

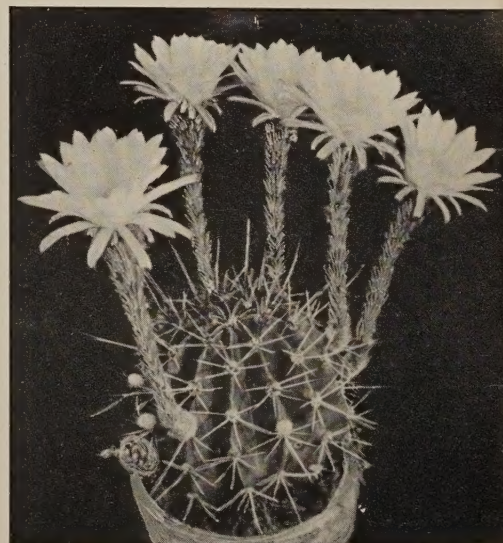
75 rare and choice plants for the collector of the odd and beautiful. Stonefaced and other rare South African succulents with South American cacti, Lobivias, Cerei, Notocacti, etc., plus a group of Mexican Mamillarias, Ferocacti, etc. **\$10.00** Labelled.....

CENTURY ASSORTMENT

No. P-20

100 CACTI. NO SUCCULENTS.

A collectors' group, including all the main genera and species of Cacti. A gift any collector would prize above all else. A very moderate price of only..... **\$25.00**



Shade Loving Cacti

EPIPHYTIC and JUNGLE CACTI

These are a most interesting group of plants, quite different from other cacti in their requirements. They come from the jungles of North and South America, where they grow perched aloft on the forest patriarchs, sheltered in the dim cathedral quiet. I have seen Epiphyllums cascading from the tree-tops, their snowy blossoms like hovering moths in the warm, fragrant moonlight.

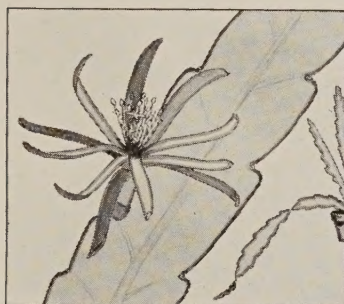
Culture. The jungle cacti have been favorites for one hundred and fifty years and some of the finest specimens I have seen were grown in the old-fashioned bow window. Give them plenty of fresh air, partial shade—not too dense—and keep them moist—not wet. For the soil they enjoy an open porous compost through which water drains away. One part light loam, one part coarse sand, one part leafmold or coarse woods soil. A fairly coarse mixture is better than a finely sifted one. In winter keep them in a place well above freezing and the roots somewhat dryer than during the summer growing season.

SNOWDROP CACTUS

Rhysalis Houlletiana

This lovely and graceful epiphyte comes to us from Brazil, where its arching stems gemmed with dainty white bells lighten the forest gloom. It is an old favorite long known to collectors, but always scarce. The stems are long and slender, broadening out to a flat blade which bears the thin, expanded flowering "leaves." Likes shade and moisture. Each.....

50c



PSEUDORHIPSALIS MACRANTHA

A recent discovery from Mexico. The tall arching stems bear many fragrant yellow and cream flowers. Very rare

\$1.00



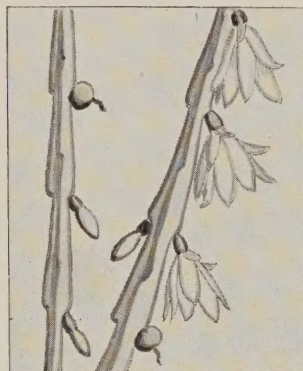
The Fine Collection of Mrs. F. R. Hare



WAX VINE

The lovely waxy pink blossoms of *Hoya carnosa* are familiar to the window garden devotee. Its shining deep green leaves makes it handsome at all times. Keep moist and partially shaded. 3-inch pots.....

75c



POP CORN CACTUS

The slender stemmed *Rhipsalis Warmingiana* is delightful in spring when the pendent branches are festooned with drooping white blossoms followed by dark purple berries. Partial shade and moisture suit it. Nice plants, each.....

40c



RHIPSALIS CRISPATA

An upright growing variety with pale apple-green "leaves" at first brightly copper tinted. It is a native of the forests of western Brazil, where it grows perched in the trees or hanging from cliff faces. Each.....

40c

Rhipsalis capilliformis. Venus' Tresses. An intricately branched species with round, slender, arching stems terminated by whorls of thin pale green joints. Nice.....

40c

Rhipsalis pachyclada. Ovate copper colored stems, 40c. **Rhipsalis pachyptera.** Joints with very undulate margins. Makes a large specimen.....

50c

Rhipsalis paradoxa. Link Cactus. One of the most curious of all with 3-angled stems, the angles of succeeding links opposed. Very strange with long chain-like stems.....

50c

Rhipsalis pentaptera. 5-angled stems.....

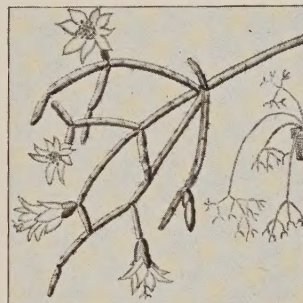
75c

Rhipsalis rhombea. Bronzy green, flat, crisped joints much branched. Each.....

40c

Rhipsalis teres. Long slender arching stems.....

40c



RICE CACTUS

Rhipsalis cereuscula

An old favorite with arching terete stems bearing many white blossoms in late spring, followed by white mistletoe-like berries. The branchlets are borne in whorls of three or more and are slightly woolly. Partial shade and moisture.....

35c



CHIAPASIA NELSONII

A very handsome flowered cactus with deep violet-pink blossoms borne in abundance in spring. An epiphyte with thin, flat joints borne on round stems. Give it a shady spot, porous soil and moisture. Rare.....

\$1.00

THANKSGIVING CACTUS

A hybrid *Zygocactus* with salmon pink blossoms borne in late November. Very pretty and choice and like the Christmas Cactus except in color. A very few plants at \$1.00; smaller.....

50c

SPICE CACTUS

Hatiora salicornioides. A rare and unique species with fat, urn-shaped branchlets borne in threes. The blossoms are deep orange yellow. Requires shade and moisture.....

50c

Hatiora bambusoides. Fat round stems. Very rare.....

\$1.00

LEPISMIUM CRUCIFORME. A rare *Rhipsalis*-like cactus with 3-angled stems and hairy areoles.....

75c

EMPRESS

Nopalxochia phyllanthoides

This lovely Mexican cactus is a favorite wherever grown. The exquisite warm pink blossoms are borne in glorious showers, each flower some 3 inches long and lasting for weeks. Pictured in color on page 25. Each.....

50c

At Left

ORCHID CACTI

We have a very fine collection of these beautiful cacti in all colors. Owing to the greatly increased demand, we will not be able to ship them until the spring of 1947, when we will issue a list to those interested

COLLECTION P16

Three fine Orchid Cacti in separate colors, my selection. For immediate shipment.....

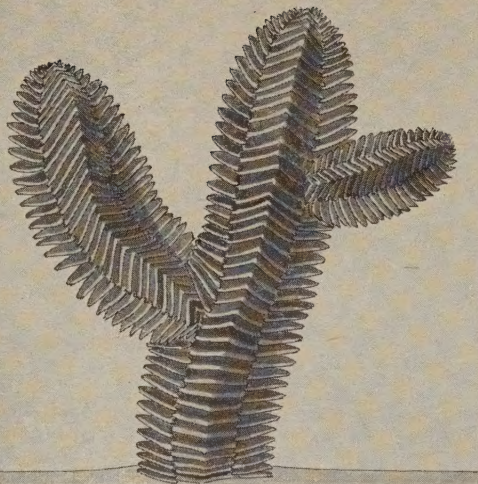
\$1.50

RHIPSALIS MESEMBYANTHEMOIDES

A compactly branched species. Long slender branches closely packed with club-shaped short joints with woolly areoles. Flowers white.....

35c





PYRAMID CRASSULA

Every fancier covets the striking *Crassula pyramidalis*. This rare South African succulent is the extreme form of the laminate leaved series also called "Shaving Brush" from their compact head of fragrant white flowers. Partial shade, moderate watering. Each **75c**

HUERNIAS

The Huernias belong to the Starfish Flowers and while not as large are amongst the most beautiful and elegant of the group and are almost odorless. Some are flat with raised annulus, others are bell-shaped. They like generous treatment during the summer growing season, but should be kept dry during the winter.

Huernia hystrix. A lovely species, yellow with red based papillae which completely cover it like chenille. Most effective and curious. **40c**

Huernia nairobensis. Large red-black bells **40c**

Huernia Levyi. Long spotted bells. **40c**

Huernia longituba. Spotted bells. **40c**

Huernia macrocarpa. Spotted short bells **35c**

Huernia praestans. Yellow flushed pink **35c**

Huernia Vansonii. Yellow with annulus **40c**

Huernia Loesneriana. Dark bells. **40c**

TAVARESIA

The beautiful and rare *T. grandiflora*. 6-in. spotted bells and handsome spiny stems. **50c**

HUERNIOPSIS

Rare genus whose dark red blossoms open in the afternoon. **40c**

H. decipiens **40c**

GLORIA ORCHID CACTUS

A handsome fiery red flowered variety, the blossoms quite large and graceful. All the Orchid Cacti are beautiful and the hybrids are now found in a multitude of colors and shapes. Owing to the heavy demand, our stocks are very low, though we will have a number in 1947. If the quantity warrants, we will put out a list then.

A few nice plants of Gloria **75c**

GIANT'S WATCH CHAIN

Crassula imperialis

A very pretty bright green plant that grows well in the shade. Nice as a specimen or for dish gardens, as every piece will grow. The leaves are closely imbricated. **20c**

A recommended and very popular plant. **20c**

STAPELIAS

We have one of the largest collections in the world of these handsome and strange plants. Give generous treatment in summer. Keep on dry side in winter. Very sandy soil and moderate waterings.

Stapelia ambigua fulva, 35c. *S. angulata*, 40c. *S. asterias* **40c**

S. a. lucida, handsome, 40c. *S. ciliata*, 25c. *S. comparabilis* **40c**

S. Cooperi, 35c. *S. Desmetiana*, 50c. *S. Dummeri* **40c**

S. flavivestris, 50c. *S. flavivestris coniformis* **50c**

S. deflexa atropurpurea, 50c. *S. Fleckii*, 75c. *S. Gettlefii* **75c**

S. glanduliflora, 75c. *S. grandiflora*, 50c. *S. Liendertzii* **50c**

S. Molonyae, 75c. *S. Plantii*, 50c. *S. semota*, 50c. *S. tsomoensis*, 50c. *S. verrucosa*, 35c. *S. Wilmanae* **50c**

STAPELIA COLLECTION

No. P-18

5 Rare *Stapelias*. No common ones.

A fine flowering group of beautiful and odd kinds. **\$1.25**

COLLECTION P-23

10 *Stapelias*, *Huernias*, *Carallumas*, *Piранthus*, etc. A representative group **\$3.00**



ZEBRA FLOWER

The lovely *Huernia zebrina* bears the most striking flowers imaginable. The yellow stars are heavily barred with dark red. In the center a raised, glossy red annulus surrounds the stamens. Flowers on the young growth during spring and all summer. Each **40c**

CARALLUMA

These are beautifully marked *Stapeliads* with curious and often beautiful blossoms. *Caralluma Nebrownii*. Handsome stems spotted with red, almost black flowers, 35c. *C. Keithii*, 75c. *C. pseudo-nebrownii*, 50c. *C. melanantha*. Black flowers, 50c. *C. ramosa* **\$1.00**

HOODIA

A fine genus with almost round blossoms. Grow upright with spiny stems and apical flowers. Keep on dry side with very sandy soil. *Hoodia Dregelii*. A rare species with woolly flowers. Fine branched plants **50c and 75c**

HOODIOPSIS

Very pretty red blossoms. Rare monotypic genus **50c**

STAPELIANTHUS

Almost black stems. Very rare. **35c**

ECHIDNOPSIS

Pretty *Stapeliads* with long, testated stems and small star-shaped flowers. *Echidnopsis cereiformis*, 35c. *E. cereiformis obscura*, 35c. *E. Framesii*. Red flowers, 50c. *E. serpens*. Newly discovered. Red blossoms. Fine **35c**



SILVER CHENILLE PLANT

Echeveria plumosa

Handsome emerald green leaves covered with soft white hairs. In the winter each rosette bears one or two spikes of up to a dozen lovely, waxy, red and yellow bells which last in perfection for weeks. In flower or not they are exquisite. The plants branch freely and reach a foot in height. **25c**

Fine specimens, 50c and **25c**



CRIMSON KALANCHOE

Kalanchoe globulifera hybrida

A beautiful pot plant that may be brought into bloom at Easter. The flowers are borne in clusters, are of good size and rich red in color. Blooms over a very long period, in fact, several months. A fine florists' plant. It likes a rich soil, partial shade and moderately generous waterings. Pinch top out to make bushy. **20c**

